

HORTICULTURAL ABSTRACTS

VOLUME XVII

Part 1 Issued March, 1947

Part 2 „ June, 1947

Part 3 „ September, 1947

Part 4 „ December, 1947

Compiled and published by the
IMPERIAL BUREAU OF HORTICULTURE AND PLANTATION CROPS,
EAST MALLING, KENT, ENGLAND

INDEX OF NAMES

Horticultural Abstracts, Vol. XVII

N.B.—Brackets round the name denote that this person, although not the author, was directly or indirectly concerned with the article.

- Aalsmeer, Proeftuin voor de Bloemteelt, 2775
 Aaron, J., 537
 Abbiss, H. W., 1397, 2462a
 van den Abeele, M., 1704
 Aberconway, Lord, 900
 Aberdeen, J. E. C., 300, 871
 Aberg, B., 1875
 Abraham, A., 948
 Abraham, E. P., 750a
 Abrahamsen, M. A., 1158
 Acuña, J., 949
 Acuña, J. B., 216
 Adam, D. B., 681
 Adam, W. B., 1769, 2717, 2748
 Adamson, A. M., 1754a
 Adamson, N. J., 806, 807, 826
 Addison, G., 1677
 Adriaens, L., 1725
 Agnel, H., 2034
 Agnew, G. W. J., 391, 392
 Ahlberg, O., 140, 1536
 Akeley, R. V., 787
 Akkoyunlu, Z., 229, 480, 2326, 2327
 Aksu, S., 170
 Alabouvette, L., 90
 Albrecht, W. A., 2239
 Aldrich, W. W., 1194, 1219
 Aleksandrov, V. G., 330
 Alekseev, V. P., 1868
 de Alencar, J., 2525
 Alexander, L. J., 877
 Alexander, O. R., 1071
 Algera, L., 1622, 1623
 Algeria, 1560, 1608a, 1608b
 Ali, S., 1908
 Alibert, H., 417
 Allard, H. A., 835, 1476
 Allard, H. F., 835
 Allen, F. W., 1228
 Allen, T. C., 305
 (Allen, W. R.), 134
 Allison, F. E., 312
 Allman, S. L., 167
 Amani Agricultural Research Institute, 2776, 2777
 American Phytopathological Society, 2229a
 Amos, A., 530
 Andersen, E. M., 280
 Anderson, W. H., 547, 2195
 Anderson, L. D., 2244, 2428
 Anderson, W. S., 368, 369, 371, 373, 374, 375, 1657
 Anderssen, F. G., 1629
 Andison, H., 2200
 Andrén, F., 1454
 Andrewartha, H. G., 750b
 dell'Angelo, G., 896
 Anikin, I. V., 177
 Anley, G., 487
 Anliker, J., 1210
 Anon., 100, 119, 138, 139, 141, 308, 319, 333, 344, 345, 361, 364, 434, 438, 439, 665, 667, 684, 750c, 851, 864, 880, 968, 1298, 1359, 1383, 1386, 1457, 1547, 1597, 1608c, 1608d, 1689a, 1691, 1705, 1730, 1731, 1736, 1799, 1802, 1812, 2006a, 2018, 2133, 2194, 2196, 2203, 2204, 2227, 2245, 2413, 2449, 2520, 2534, 2560, 2574, 2580, 2618, 2621, 2665a, 2704, 2742
 Ansari, A. R., 2229b
 Anstey, T. H., 2381
 Anthony, R. D., 1187, 1191, 1203
 Antonenko, V., 2323
 Antonova, K. P., 943
 Appleman, D., 105
 Appleman, M. D., 315
 Arana, F. E., 479
 Araque, R., 401
 Archivovskaja, E. V., 1605, 2298
 Arizona Agricultural Experimental Station, 2778
 Ark, P. A., 334, 336, 338, 339, 346
 Armand, J. E., 2424
 Armand, Y., 2710
 Armstrong, M., 2684
 Armstrong, T., 737
 Arnon, D. I., 1121
 Arnot, R. H., 929, 1645
 Arnould, L., 2737
 Arnoux, J., 706
 Aroeira, J. S., 1950
 Aronov, V., 176
 Arsan, E. N., 2017, 2434a
 Artemenko, M. D., 842
 Arthur, J. M., 158
 Aschehoug, V., 1070
 Ashby, A. W., 1862
 Ashby, D. G., 260
 Ashley, T. E., 38, 320a, 320b
 Aslib, 1115
 Association of Applied Biologists, 1323
 Asthana, R. P., 960
 Astregio, J. J., 2380
 Atanasoff, D., 653
 Atkinson, F. E., 1801
 (Atkinson, F. E.), 2785
 Atkinson, N., 663
 Aubert, P., 1920, 1942, 1952, 1953, 1954, 1977, 2671
 Audus, L. J., 1364, 1619, 1881, 1882
 Austin, M. D., 702
 Avery, G. S. (Jr.), 542
 Avsaragov, A. H., 1500
 Axelrod, B., 2734
 Badillo, V. M., 2650
 Baeza, M. A., 801
 Bagenal, N. B., 572
 Baier, W. E., 750d
 Bailey, J. S., 120, 1248
 Bajwa, B. S., 921, 924, 2789
 Baker, A. D., 794
 Baker, C. E., 1229
 Baker, D. H., 2320
 Baker, D. W. H., 2251
 Baker, G. A., 60, 2053
 Baker, H. H., 2006i
 Baker, K., 1647
 Baker, K. C., 2510
 Baker, K. F., 306, 2352, 2445
 Baker, L. C., 1052, 1055, 1779
 Baker, R. E. D., 980, 1719
 Balahonov, P. I., 404
 Bald, J. G., 1418, 2266, 2283
 Baldoni, R., 868
 Baldwin, J. T., Jr., 2616
 Balfour, A. P., 905
 Ball, E., 1170, 1171
 Ballantyne, J. A., 629
 Ballinger, W. R., 728, 750k
 Balock, J. W., 998
 Balog, E. G., 469
 Banga, O., 1531, 1538, 1580, 1608e
 Banga, P., 1594
 Bannan, M. W., 838, 1499
 Baptist, B. A., 2644
 Baranova, E. A., 1262, 1503
 Baratte, J., 2306
 Barbados Department of Science and Agriculture, 2808a
 Barbier, G., 1892, 2059
 Bare, C. O., 1486, 1608f
 Barham, H. N., 944
 Baribeau, B., 769
 Barker, J., 1035
 Barlow, F. D., Jr., 40
 Barlow, H. W. B., 1983
 Barnard, C., 920
 Barnell, H. R., 1788, 1789
 Barnes, E. C., 320c
 Barnes, J. W., 2665b
 Barnett, H. L., 1690
 Baron, C., 1329
 Barrett, C., 1689b
 Barrett, J. T., 334, 2444
 Barry, J., 1926*
 Barry, J.-P., 2420
 Barthel, W. F., 1390
 Barthelet, J., 2069
 Bartholomew, E. T., 2479
 Bartholomew, O. F., 1234
 Barton, L. V., 182, 279
 Batram, H., 567
 Basjuk, T., 3
 Basutoland Department of Agriculture, 1861c
 Batchelor, L. D., 2486
 Bates, J. C., 145
 Batjer, L. P., 70, 72, 645
 Batra, H. N., 132
 Batson, F. S., 349a
 Baumgartner, J. G., 1813
 Bawden, F. C., 1481, 2332
 Bazore, K., 423
 Beakbane, A. B., 1918, 1955
 Beal, J. M., 540
 Beard, F. H., 1489, 2342, 2343, 2344
 Beare, J. A., 608
 Beattie, J. H., 427
 Beatty, A. V., 1880
 Becker, J., 2048
 Becker, R. B., 2753
 Beer, W. J., 789
 Bégue, H., 2307, 2310
 Beijerinck, W., 81, 1250
 Bellin, I. G., 1403
 Beisel, C. G., 2702
 Belikov, P. S., 1497
 Beljdenkova, A. F., 1811
 1420, 1495, 1564
 Bell, G. D. H., 2274
 de Bellefroid, V., 1715, 2607
 Belohonov, I., 45
 Bels, P. J., 1608g
 Bombower, W., 1689c
 Bemis, K. P., 1807
 Benedict, H. M., 250, 2368
 Bennett, E., 31a
 Bennett, S. H., 744, 2218, 2219
 Bentham, G., 1902
 Benton, R. J., 925, 928, 931, 1641
 Berg, A., 642
 Berger, C. A., 1518, 1608h
 Berger, J., 542
 Berger, K. C., 1436
 Berkeley, G. H., 657, 832, 1297
 Bermuda Department of Agriculture, 1845, 1861d
 Bernard, N., 1876
 Bernon, G., 137, 1263, 2075
 Bertola, M., 2305
 Bertrand, D., 24
 Bertrand, G., 24, 1893, 2343b
 Best, R. J., 297, 320d, 320e, 320p
 Bhagvat, K., 485
 Bhagwagar, P. R., 2297
 Bhuiani, R. C., 1050
 Biale, J. B., 1761, 2687
 Bialobok, S., 1160, 1186, 1245
 Bickerton, J. M., 322
 Bider, M., 589, 590
 Bieri, F., 672
 Binkley, A. M., 320v
 Biraghi, A., 682
 Bird, R. D., 134
 Birkeland, C. J., 146

- Birkina, B. H., 1927
 Bissell, T. L., 2243
 Bitters, W. P., 2486
 Björling, K., 1435
 Bjornseth, E. H., 1545, 1546, 2417
 Black, M. W., 1936
 Black, W., 2294, 2295
 Blackford, F. W., 362, 863
 Blackman, G. E., 1133
 Blackmon, G. H., 97, 98a, 2544
 Blaha, J., 2027
 Blake, M. A., 51, 1179, 1238a, 1289
 Blanc, A., 2747
 Blanch, G. E., 74a
 Blank, F., 1154a
 Blasberg, C. H., 50
 Blaser, H. W., 1207
 Blattný, C., 742
 Bliss, D. E., 2550
 Bloch, R., 1010
 Blodgett, E. C., 1303, 2094
 Blondel, L., 2467
 Blood, P. T., 1763
 Blosser, J. H., 1238b, 1238f, 1272a
 Blumer, S., 672, 2122, 2125
 Bobko, E. V., 1132
 Bock, E., 1260
 Boczkowska, M., 797
 Boddy, H., 2043
 Bodin, R. A., 2006b
 Bodmer, H., 2462b
 Boeuf, P. de F., 2623
 Bohm, G. W., 484, 912, 1585
 Boischot, P., 2716
 Boixo, —, 2042
 Bokučava, M. A., 403, 1811
 Bollen, W. B., 1284
 Boller, C. A., 607
 Bolomey, R. A., 1066
 Bomford, J. F., 530
 Bonde, R., 775, 799
 Bonnafacio, G., 2547
 Bonnafacio, P., 1238c
 Bonnemaïson, L., 2096, 2155
 Bonner, J., 1541, 1542, 2755
 Boock, O. J., 966
 Booser, J. R., 854
 Boogaard, J. L., 12
 Booth, V. H., 1058, 1781
 Borders, H. L., 185
 Borg, A., 1332, 1535
 Borgström, G., 1757
 Boselli, F. B., 2229c
 Bosher, J. E., 849, 915
 Boswell, V. R., 2230
 Bucher, J., 1885
 Bucher, P., 2006c
 Buchet, R., 2154
 Bui, C., 2003, 2016
 Bui, —, 2101
 Buiquet, G., 2608, 2663
 Buiaric, M., 2760a
 Bouteillière, —, 2760b
 Bouyoucos, G. J., 1131
 Bovey, P., 2146, 2165, 2178, 2179, 2181
 Bovien, P., 763
 Bovington, H. H. S., 1395d
 Bowden, S. T., 750u
 Bowen, J. S., 2363
 Bowman, F. T., 925
 Bowser, P. H., 2391
 Boyce, A. M., 1688
 Boyd, A. E. W., 2277
 Boyd, D. A., 1578
 Boyko, E., 899
 Boynton, D., 1283
 Bozjoan, O. A., 1775
 Bradfield, E. A., 1808
 Bradfield, J. R. G., 1144
 Bradford, S. C., 2452
 Brady, N. C., 1675
 Braid, K. W., 1358
 Branas, J., 89, 1292, 2029
 Brandon, D., 1897
 Bransch, A., 1031
 Brase, K. D., 1198
 Braun, A. C., 1308
 Braun, A. J., 680
 Bray, G. T., 750e
 B(ray), G. T., 1077, 1078
 Breakey, E. P., 692, 2457
 Brechley, W. E., 1278
 Breny, —, 131
 Breviglieri, N., 1955
 Brian, P. W., 743
 Briand, M., 2557a
 Brice, B. A., 1083
 Brichet, J., 1916, 2024, 2033, 2474
 Bridges, A. F. B., 2640
 Brieger, F. G., 1470, 1480, 1484, 1528, 1737, 2495
 Brierley, W. G., 76, 77, 2081
 Brightwell, S. T. P., 750s
 Brincourt, R., 2160
 British Columbia Department of Agriculture, 1, 2, 504, 505, 531a, 1112a, 1846
 British Honduras Department of Agriculture, 1861e
 Brittingham, W. H., 1608i
 Britton, J. E., 2785
 Broadbent, L., 793
 Broadfoot, H., 1921
 Brock, R. B., 626
 Brockie, W. B., 1293
 Bromley, S. W., 2448
 Brooke, J., 1085
 Brooks, A. N., 185, 2236
 Brooks, C., 2526
 Brooks, G., 2715
 Brooks, J. R., 2665c
 Brooks, J. W., 2244, 2428
 Brooks, R. M., 60, 74b, 2053
 Brouhns, G., 978
 de Brouwer, W. M. Th. J., 126
 Brown, C. A., 143
 Brown, D. D., 810, 811, 812, 2758
 Brown, D. S., 36, 61
 Brown, E., 1009
 Brown, G. B., 484
 Brown, G. G., 1300
 Brown, I. L., 644
 Brown, J. G., 664, 1125
 Brown, M. B., 2434c
 Brown, W. D., 755 i
 Broyer, T. C., 1154b
 van den Bruel, W. E., 1349, 1589, 1592
 Brugger, H., 569
 Brun, J., 1008, 2647, 2656, 2691
 Bruna, E. M., 2336
 Bruner, S. C., 961, 1694
 Bruni, B., 620
 Bruno, A., 2213
 Brunson, M. H., 1689d
 Brunstetter, B. C., 380
 Bryan, J., 1800
 Bryan, J. D., 2707
 Bryden, J. D., 166
 Bryner, W., 1976, 2112
 Budagovskii, V. I., 1958
 (Buitenzorg Experiment Station), 506, 507
 Búi-Xuân-Nhuân, 215, 2760k
 Bulman, E., 1734
 Bunker, H. J., 1821a
 Burger, I. J., 1767
 Burgess, A. H., 530, 1488
 Burgis, D. S., 1685, 2553
 Burkhardt, G., 2427
 Burkholder, C. L., 1229
 Burkwood, A., 2462c
 Burns, J. G., 169
 Buron, P., 2030
 Burroughs, L. F., 2725
 Burström, H., 1907a
 Bush, F. A., 2766
 Bush, R., 488, 1286, 2210, 2761
 Bustarret, J., 2258
 Busvine, J. R., 750f
 Butterfield, H. M., 2007, 2456
 du Buy, H. G., 1154e
 C., W. H., 559
 Cacavelos, M. M. F., 1752
 Cadillat, R., 388
 Cagle, L. R., 2229d
 Çallachjan, M. H., 536, 1135, 1136
 Cairaschi, E.-A., 1924, 2256, 2285, 2286
 (Caitness, A. J.), 2768
 Cake, E. W., 73
 Cake, W. E., 2620
 Calavan, E. C., 2511
 Caldwell, N. E. H., 136, 201, 440, 707, 822, 2699
 California Avocado Society, 1679
 Cameron-Brown, C. A., 752, 1898
 Camp, A. F., 1642, 2482, 2505
 Campbell, J. A., 269, 320f
 Campbell, N. R., 2229h
 Campbell, W. A., 2369
 Campden Fruit and Vegetable Preservation Research Station, 2779
 Canada Department of Agriculture, 2760c, 2785
 Canada Minister of Agriculture, 1096
 Canada National Research Council, 531b, 2808b
 Cannon, R. C., 228, 821, 822
 Caplin, S. M., 1475
 Capucci, C., 1176, 1261, 1956, 2035, 2037
 Carayon, J., 1729
 Carleton, R. T., 2730
 Carletto, G. M., 412, 413
 Carlson, F. W., 713, 714, 1330
 Carlson, R. F., 1313, 2187
 Carsten, H. A., 1084a
 Carter, R. H., 750g
 Carter, W. H., 143
 Cartmill, W. J., 1428
 Carton, P., 397
 Carvalho Godinho, M. A., 1046
 Casamajor, R., 2443
 Cash, M., 1018
 Cass, W. G., 2760d
 Cassill, C. C., 1328
 Castberg, C., 1757, 2299
 Castelli, T., 1038
 Castillo, J. C., 734
 de Castro, J. B., 966
 Catlow, E., 2016
 van Cauwenberghe, E., 49
 Cawthron Institute, 508
 Čech, L., 628
 Cecil, S. R., 1084j
 Celeste, M. R., 579
 Central Experimental Farm, Ottawa, Fruit and Vegetable Products Laboratory, 2785
 Černenko, S. F., 2006d
 Cernogolovin, V., 7
 Ceylon Director of Agriculture, 2780
 Ceylon Rubber Research Scheme, 1097
 Ceylon Tea Research Institute, 1098
 Chakravarti, S. C., 1468
 Chakravarty, H. L., 2660
 Chamberlain, G. C., 1297
 Chaminade, R., 25, 1885
 Champion, D. L., 1288
 Chandler, F. B., 187
 Chandler, S. C., 135, 1346
 Chandler, W. H., 104, 105
 Chandraratna, M. F., 2613, 2614
 Chanin, M., 995
 Chaplin, C. A., 544
 Chapman, H. D., 1891, 2497
 Chapman, P. J., 1335, 2143
 Chapman, R. K., 850
 Chaptal, L., 1931, 1932
 Charley, V. L. S., 1783, 1785
 de Charnoy, A. d'E., 804
 Chastain, S. M., 1084f
 Chauvet, P., 2611
 Chen, S.-M., 281, 282
 Chepil, W. S., 750h
 Cheshunt Experimental and Research Station, 509
 Chevalier, A., 2047, 2364, 2586, 2638, 2665d
 Chhabra, P., 924
 Child, R., 433, 1741, 1821b, 2642
 Childers, N. F., 1751, 2609, 2612
 Childs, J. F. L., 1032, 2689
 Childs, W. H., 80

- Chisholm, R. D., 760
 Chittenden, E. T., 601
 Chopinet, R., 2464
 Chopra, R. N., 2563
 Chorin, M., 2301, 2387
 Choussy, F., 974
 Christie, J. R., 22291
 Christoff, A., 112, 121, 163
 Christopher, E. P., 1760, 1762
 Chroboczek, E., 1521
 Chun, H. H. Q., 2654
 Cibes, H. R., 2609
 Ciccarone, A., 873
 Ciferri, R., 1743, 1948, 2068, 2549, 2762
 Ćirkov, V. I., 1172, 1604
 Cist, F. M., 2626
 Claborn, H. V., 750i
 Clark, C. K., 2700a
 Clark, F., 2339
 Clark, M. W., 2032
 Clark, W., 489
 Clarke, E., 1565
 Clarke, E. J., 1572
 Clarke, W. S., Jr., 1191, 1203
 Claus, J., 2667
 Clayton, C. N., 320c
 Clayton, E. E., 817, 1482
 Cleland, R. E., 550
 Clifford, E. D., 846
 Close, A. W., 1616
 Cloud, H. R., 2730
 Clulo, G., 642
 Clyde, G. D., 26
 Cmirnova, V. A., 226
 Cobin, M., 1738
 Cochran, G. W., 654
 Cochran, H. L., 1411
 Cochran, L. C., 659
 Cochran, W. G., 31b
 Coffee Research and Experiment Station, Lyamungu, Moshi, 1110
 (Coffee Services Officers, Kenya), 2601
 Coïc, Y., 2272, 2288
 Coirner, M. S., 1676
 Coit, J. E., 1689e
 Coke, J., 174
 Cold Storage Laboratory, Summerland, 2785
 Cole, J. R., 688
 Cole, L. W. L., 690, 2138
 Cole, Y., 1892
 Coleman, F. B., 1871
 Coleman, R., 1671
 Colhoun, J., 207, 208, 209
 Collins, F. G., 895a
 Colwell, W. E., 1675
 Comar, C. L., 1907b
 Combes, R., 2679, 2680
 Compton, O. C., 1230
 Condelli, F., 895b
 Connolly, F., 1782
 Conradie, W. J., 1978
 Conway, T., 858
 Cook, A. H., 1363
 Cook, H. T., 786
 Cook, R. P., 2434c
 Cooke, F. C., 1747
 Cooley, J. S., 2696
 Coombe, J., 1243
 Coomber, H. E., 1819
 Coombes, A. N., 804
 Cooper, E., 919a
 Cooper, H. P., 1282
 Cooper, H. R., 1703
 Cooper, P. S., 2067
 Cooper, W. C., 2483, 2489, 2541, 2652
 Copley, G. H., 490, 894
 Corbraz, J., 2014
 Corneau, P., 2763
 Cory, E. N., 761, 1395c
 Cosgrove, D. J., 1079, 1817, 1818, 1819
 Coste, A., 2467
 (Costermannville Office du Quinquina), 2615
 Cottier, W., 717
 Cotton, R. H., 474, 2731
 Couch, J. F., 1607
 Coulondre, —, 627
 Couranjou, A., 2508
 Courtney, W. D., 2457
 Coutaud, J., 58
 Cowart, F. F., 1999
 Cox, C. E., 1036
 Cox, J. A., 2151
 Cox, M. B., 1915
 Crafts, A. S., 2189, 2229e, 2229f
 Crandall, B. S., 1692
 Crane, H. L., 23
 Crane, J. C., 216, 1712
 Crane, M. B., 1946
 Crang, A., 2275, 2709, 2726, 2735, 2751, 2754
 Cravens, M. E., 74c
 Crawford, C. L., 359, 1646
 Crawford, D. M., 1702
 Creighton, J. T., 939
 Crepin, C., 2258
 Crocioni, A., 833
 Crocker, R. L., 243
 Crocker, W., 93
 Cronquist, A., 1015a
 Cronshey, J. F. H., 2442
 Cross, F. B., 88
 Cross, P. E., 2675
 Cross, W. E., 923
 Crous, P. A., 2507
 Crowdy, S. H., 1720
 Cruess, W. V., 469, 471, 478, 491, 1804, 1814, 2684, 2752
 Cuénot, G., 358
 Cuille, J., 441
 Cullinan, F. P., 606, 650
 Cultrera, R., 922
 Cunningham, G. H., 1318
 Cunningham, H. S., 1450
 Curl, A. L., 1043, 2732
 Currence, T. M., 1526
 Currey, E. A., 293
 Curtis, J. T., 1511
 Cusson, J., 2340
 D., E., 2086
 Dadykin, V. P., 1775, 2271
 van Daele, A., 957
 Dale, W. T., 1719, 1721
 Dalmaso, G., 619, 620
 Dana, B. F., 2416
 Dančeva, E. I., 1770
 Danielsson, B., 1177
 Danilov, M. D., 558
 Darpoux, H., 674
 Darrow, G. M., 1255
 Davey, A. E., 1228
 Davidson, R. S., 1453
 Davies, C., 1600
 Davies, R., 1786
 Davies, W. H., 2212
 Davis, B. H., 876
 Davis, C. H., 248
 Davis, D. L. G., 827
 Davis, G. N., 320s
 Davis, J. F., 270
 (Davis, J. F.), 2004
 Davis, M. B., 32
 Davis, P. H., 897
 Davis, R. B., 2757
 Davison, J. R., 2077
 Davijian, G. S., 1427
 Day, R., 548
 Day, W. R., 1290
 Dean, F. P., 1325, 1330, 1351
 Dean, L. L., 1583
 Dean, R. E., 2481
 Dean, R. W., 691, 1335, 2143, 2161
 Dearborn, C. H., 274
 Debuissson, J., 39
 Dechand, P., 444
 Delhaye, R., 2225
 (Delhi, Ont.), 2781
 Delle Coste, A. C., 298
 Demaree, J. B., 2104
 De Mel, R. H., 2646
 Denis, G., 2557b
 Denny, F. E., 15, 343, 1434, 1439, 2669
 Dent, K. W., 1140
 Deonier, M. T., 1661
 Depardon, L., 2030
 Desai, S. V., 2061
 Deševaja, A. S., 2235
 Detjen, L. R., 1576
 Devarajan, M. R., 935
 Diaz, J. R., 587
 Dibar, P. A., 1652
 Dicker, G. H. L., 701, 702, 2157, 2158, 2159
 Dickey, R. D., 2548
 Dickinson, D., 2720, 2748
 Dickson, B. T., 1496
 Dickson, G. H., 1993
 Dickson, R. C., 2519
 Dickson, T. G., 1707
 Dijkstra, S. P., 236, 1474
 Dimbleby, G. W., 1907g
 Directie van den Landbouw, 2153, 2201, 2202
 Ditman, L. P., 1395o, 2427
 Division of Bacteriology and Dairy Research, Science Service, 2785
 Division of Horticulture, Central Experimental Farm, Ottawa, 2785
 Division of Horticulture, New South Wales, 1637
 Division of Horticulture, Pretoria, 1660
 Dixon, R. A., 1806
 Dobrunov, L. G., 1471
 Dodge, F. N., 96
 Doeblert, C. A., 2156
 Domingo, W. E., 2356
 Dominion Agriculture, 1099
 Dominick, C. B., 2337
 Dominik, T., 1209
 Domokos, J., 2434d
 Doncaster, J. P., 2377
 Donovan, C. G., 1395a
 Doolittle, S. P., 186
 Dotti, F., 1221, 1995, 1996
 Douarche, L., 2055a
 Dougherty, J. L., 242
 Dreosti, G. M., 1787
 (Driver, C. M.), 764
 Driver, C. M., 2259
 Drobkov, A. A., 839
 Drosdoff, M., 385
 Drouineau, G., 16, 1907c, 2069
 Drummond, O. A., 400
 Dubinin, N. P., 17
 Dubrisay, —, 2229g
 Dufour, A., 2015
 Dugand, A., 1015b
 Duggar, B. M., 809
 Dumbleton, L. J., 1405
 Dunlap, W. C., Jr., 1068
 Dunne, T. C., 641, 643
 Dupire, A., 2311
 Dupree, M., 2243
 Durrell, M., 1906
 Dustan, A. G., 1627
 Dustan, G. G., 737
 Dutt, C. P., 1822
 (Duvdevani, S.), 1116
 Duvdevani, S., 2399
 van Duynne, F. O., 486e
 Dyer, R. A., 1456
 Dyer, R. M. M., 2494
 Dykij, J., 543
 Dykij-Sajfertová, 543
 East African Agricultural Research Institute, *see* Amani
 (East Malling Research Station), 512
 East Malling Research Station, 2782
 Eastwood, H. W., 442, 1005, 1007
 Eastwood, T., 730
 Eaton, E. L., 614
 Eaton, J. K., 2226
 Ebeling, W., 732, 942, 1656, 1689f
 Eckersley, J. P., 1549
 Economic Botany, 2783
 Eden, T., 2579
 Edgerton, L. J., 51, 610, 1179, 1238a
 Edmond, J. B., 367, 372
 Edmundson, W. C., 203
 Eämenko, O. M., 989
 Eggers, E. R., 1684
 Eggers, V., 541
 Egler, F. E., 2630
 Ehmke, H. F., 1756
 Eide, P. M., 1374
 Eidg. Landw. Versuchsanstalt Zürich-Oerlikon, 1608j
 Einset, J., 1207
 Ėire, Ministry of Agriculture, 2808c

INDEX OF NAMES

- senmenger, W. S., 1280
 azari-Volcani, Z., 2555
 an Elden, H., 390
 nder, T., 1951
 lenby, C., 795
 liot, F. H., 349b
 lis, N. K., 2375
 lison, J. H., 801
 merson, R. A., 283
 milsson, B., 2299
 mme, A. M., 1118
 mon, J., 2101
 nfield, G. H., 210
 ngelbeen, M., 377
 nglish, H., 2113, 2674
 ngstedt, G., 1238d
 ny, D. M., 486d, 1805,
 2492, 2733
 ops, J. M., 2401
 ransson, C. O., 395
 rmakov, A. I., 19
 sau, K., 1304
 sselen, W. B., Jr., 318,
 1758, 2721
 vans, H., 1698, 2567, 2568
 verett, P., 926, 938, 940
 vers, C. F., 501
 vers, H. H., 2756
 vers, N., 2229h
 , A. W., 568a
 agan, F. N., 63, 64
 ahey, J. E., 1385
 airchild, D., 2468, 2469,
 2552, 2662, 2665e
 airchild, S. J., 200
 ales, J. H., 728
 allon, F., 2665f
 ang, S. C., 1084d
 arish, L. R., 277, 293, 320g
 arnworth, C. H., 1722
 arrall, A. W., 108
 arrar, M. D., 1407
 arringer, D. E., 237, 1742
 aulkner, R. P., 609, 2237,
 2764
 auvel, J. H., 2471
 awcett, H. S., 1649, 2517
 ayyette, L. J., 1328
 edorov, A. A., 47
 edorova, N. J., 83, 98b
 ehr, F. E., 1084b
 eigenbaum, J., 1042
 eio, F. M., 1072
 ellers, C. R., 318, 1758,
 2721
 ennell, J., 1746
 ennell, J. L., 2658
 ernandes, C. T., 632
 ernie, L. M., 983, 1728
 errand, M., 2639
 erreira, M. J. L., 695
 erres, H. M., 755
 erri, M. G., 20, 1542
 errière, C., 2313
 erwerda, F. P., 2592
 eytaud, J., 2221, 2222,
 2223, 2309
 ichterouille, H., 748
 ieger, E. A., 370
 ikry, A., 1285
 ilewicz, W., 1907d
 inato, P., 593
 indlay, W. M., 1861b
 Fineman, Z. M., 1426
 Fischer, H., 634
 Fisher, C. K., 1028
 (Fisher, D. V.), 2785
 Fisher, E. A., 305
 Fisher, W. I., 267
 Flanders, S. E., 953a
 Flanz, —, 1798, 2736
 Flanz, M., 2722
 Fleck, E. E., 750j, 750w
 Flemion, F., 179
 Fleury, C., 2723
 Floch, H., 430
 Floor, J., 21
 Florida Agricultural Experi-
 ment Station, 2784
 Flory, W. S., 1943
 Floto, E. V., 1628a
 Fluke, C. L., 2144
 Foister, C. E., 1312
 Folley, R. R. W., 1156
 Folsom, D., 1440
 Foote, W. H., 246, 1508
 Forde, H. I., 1998
 Forster, R., 1470, 1480, 1484
 Forte, P. N., 1378
 Foster, A. A., 2234
 Foster, H. H., 320f, 320h,
 2383, 2386
 Foster, R. E., 299, 859, 1575
 Foster, W. R., 660
 Fourment, R., 2264
 Fowler, R. L., 1713
 France, J. G., 2554
 Francis, L. R., 617, 1040
 François, L., 320i
 Du Frane, B., 217
 Franklin, E. R., 1238b,
 1272a
 Franklin, J., 548
 Frappa, G., 2665g
 Frazier, N. W., 697, 1395b,
 2434e, 2434t, 2434u
 Frazier, W. A., 447, 448,
 449, 450
 Freitag, J. H., 2434f, 2434g,
 2434h, 2434v
 de Freitas, A. G. B., 624
 French, A. P., 1248
 Freyre, R. H., 2665h
 Friar, F. H., 1804
 Friederich, J. C., 2570
 Friend, A. H., 275
 Friend, W. H., 1631
 Frisak, A., 1086
 Fritzsche, R., 1984
 Fron, —, 2214
 Frost, H. B., 2465
 Fruit and Vegetable Pro-
 ducts Laboratory,
 Canada, 2785
 Fruit and Vegetable Pro-
 ducts Research Com-
 mittee, Canada, 2785
 Fudge, B. R., 2501, 2502
 Fuel Efficiency Branch, Min-
 istry of Fuel and Power,
 London, 1907e
 Fuller, G., 323
 (Fuller, R. G.), 2439
 Fuller, W. H., 320j, 320k,
 320l
 Fulton, B. B., 1356
 Fults, J. R., 1591, 1888
 Funke, H., 895i
 Furlong, C. R., 1034, 1765
 Furr, J. R., 1635, 2485, 2489,
 2541, 2557c
 Gadd, C. H., 2581, 2665i
 Gaddini, L., 1743
 Gaddis, C. H., 454
 Gaddy, V. L., 312
 Galet, P., 2034, 2070
 Gallay, R., 2118, 2127, 2179,
 2723
 Galley, R. A. E., 1375
 Galloway, A. G., 2700c
 Gamble, W. H., 530, 1410
 Gardner, C. H., 1608k
 Gardner, E. J., 244, 1507
 Gardner, F. E., 357, 1196,
 2496, 2540, 2557c
 Gardner, V. R., 1214
 Garlick, W. G., 173b
 Garman, H. R., 182, 279
 Garman, W. H., 1282
 Garner, R. J., 1180
 Garner, W. W., 1824
 Gassner, G., 953b, 953c
 Gattefosse, J., 2434i
 Gaudineau, M., 2114
 Gäumann, E., 492
 Gayford, G. W., 574
 Gayner, F. C. H., 702
 Geering, Q. A., 1598
 Geier, P., 2146
 Geiger-Vifian, A., 1606, 1773
 Genders, R., 1825
 Genevois, L., 1826
 Genevois, M., 1797
 George, M., 750t
 Georgia Experiment Station,
 2786
 Gerbaldi, C., 1968, 2109,
 2229i
 Gerloff, G. C., 1436
 Gerritsen, J. D., 124
 Gersdorff, W. A., 1390
 Gerstel, D. U., 320n
 Gertler, S. I., 712, 750x, 759
 Geyer, J. W. C., 1365
 Ghose, B. N., 2462d
 Gianotti, A. A. F., 355
 Gibson, T., 11
 Giddings, N. J., 2281, 2333
 Gigante, R., 790
 Gilbert, S. M., 973, 977
 Gillespy, T. G., 2718, 2719
 Gillham, E. M., 1695
 Giviller, J., 1317
 Gilmore, L. E., 814
 Gimesi, N., 2462e
 Gimmingham, C. T., 1375
 Gindhuber, W., 2208
 Giral, F., 1065
 Gitterman, C. O., 1801
 Gjubbenet, E. R., 258
 Gladwin, G., 919b
 Glasscock, H. H., 1600
 Glendenning, R., 259, 1406,
 2150, 2184
 Glenn, E. M., 2045, 2046
 Globin, P., 1490
 Glover, J., 1701
 Glover, L. C., 1339
 Godar, E. M., 1071
 Godston, J., 995
 Goedewaagen, M. A. J., 538
 Goethals, G., 1816
 Goidanich, A., 700, 796
 Gold Coast Colony, 514
 Goljdgauzen, M., 1553
 Golubinskii, I. N., 230
 Gončarov, A. G., 1414
 Goodall, D. W., 1562, 1827
 Goodhue, L. D., 728, 750k,
 1395f
 Gooding, H. B., 1498
 Gordon, S. A., 1889, 2651
 Gorenz, A. M., 855
 Gorham, P. R., 837
 Gorlenko, M. V., 271, 291
 Gorodskaja, O. C., 226
 Gorškova, T. P., 577
 Gortner, W. A., 1062
 Goscombe, E. G., 1326
 Goss, O. M., 872
 Gottlieb, S., 750l
 Goudriaan, H. P., 1693
 Gouère, A., 1994
 Gough, H. C., 493
 Gould, C. J., 2457, 2458
 Gouny, P., 16, 1907c
 Gourley, J. H., 1174, 1190
 Government Forestry Nur-
 sery, Salisbury, 2665j
 Grace, N. H., 844
 Graham, C., 1395c
 Graham, T. W., 1485
 Grainger, A. R., 725
 Grainger, C. W., 652
 Grainger, J., 2278
 Grant, E. P., 1939, 2744
 Graves, G., 494
 Gray, C. J., 530
 Gray, G. F., 1254, 1272b
 Grebinskii, S. O., 14
 Green, D. E., 1533
 Green, E. L., 470
 Greenham, C. G., 750m
 Greenham, D. W. P., 1789
 Greenslade, R. M., 1326
 Greenway, P. J., 1726
 Greenwood, M., 1717
 Greer, S. R., 378, 382, 383,
 384, 386
 Gregory, F. G., 1827
 Gregory, L. E., 1889
 Gregory, P. H., 2106
 Griffin, D. M., 1519
 Griffin, E. L., 2727
 Griffin, J. H., 1019
 Griffith Irrigation Research
 Station, 510, 511
 Griffiths, D. G., 1022
 Griffiths, E., 2765
 Grigsby, B. H., 2371
 Grindley, D. N., 1073
 Griot, M., 716
 Griswold, H. B., 1681
 Groff, G. W., 2636
 Groot, A., 1905
 Grossenbacher, J. G., 2700b
 Grossenbacher, K. A., 1121,
 1122
 Groszmann, H. M., 1680
 Grove, J. F., 1395d
 Groves, A. B., 1370, 2072
 Guadagnin, L., 2021
 Gudjonsson, G., 1628a
 Guédon, A., 2357

- de Guerin, B. C., 2321
Guerreiro, M. G., 631
Guest, P. L., 353
Guilhon, J., 738
Guillaumin, A., 2008, 2470, 2685
Guillierme, R., 352, 416
Guiscaró-Arriaga, J., 969, 970, 2598
Guittonneau, G., 2760e
Gültekin, K., 320n
Gulvin, A. T., 641
Gunaratnam, S. C., 425
Günthart, E., 1534, 2182
Gunther, F. A., 750n, 1382, 1655
Gupta, S. N. D., 2629
Gurgei, J. T. A., 1737
Gustafson, A. F., 3200
Gustafsson, H., 2188
Guthrie, J. D., 568b
Guyot, H., 1863

H., J. C., 568a
Haas, A. R. C., 930, 1636, 1683, 2503, 2513
Haber, E. S., 1525
Habran, R., 48, 272
Hackney, F. M. V., 1020
Hacquaret, A., 2589
Haddon, E., 803
Hadfield, M., 1828
Hadorn, C., 1395e, 2128, 2147
Haenseler, C. M., 876
Hafiz, A., 666, 2228
Häfliger, E., 2440
Hahl, E., 2752
de Hahn, H., 206
Haigh, J. C., 387, 2295
Haines, W. B., 1732
Hakim, D. N., 2665s
van Hall, C. J. J., 1829, 1830
Hall, E. G., 166, 460
Hall, J. W., 1959, 2009
Hall, S. W., 349d
Haller, H. L., 750j
Haller, M. H., 645
Hallock, H. C., 1512
Hallsworth, E. G., 1780
Halma, F. F., 1684
Hamid bin Haji Hussein, A., 2322
Hamilton, D. W., 2149
Hamilton, J., 385
Hammar, H. E., 2050
Hammer, O. H., 2173
Hammer, C. L., 161, 727, 2187, 2193
Hampe, P., 2206
Hanger, F., 911
Hannesson, H. A., 2229k
Hanning, F., 261
Hansberry, R., 1339, 1696
Hansen, C., 108
Hansen, E., 78, 1023, 2678
Hansen, K., 560, 561
Hanzelka, F., 1774
Harcenko, V., 1432
Hardenburg, E. V., 302
Harding, P. L., 2490, 2491, 2494, 2506
Hardman, D. A., 2444
Hardy, E., 919c

Harley, C. P., 71, 147
Harman, S. W., 2171
Harmon, F. N., 111
Harper, R. E., 317
Harper, S. H., 1695
Harris, M. R., 2280
Harris, R. V., 2011, 2097
Harris, T. H., 1084c
Harrison, A. L., 2569
Harrison, C. J., 2577
Harrison, P. K., 1608 l
Hart, R., 1947
Hart, W. J., Jr., 2721
Hartley, W., 1496
Hartman, H., 1240, 1272d, 1272e, 1272f
Hartman, J., 1608m
Hartmann, H. T., 1183
Hartzell, A., 158, 1381
Hartzell, F. Z., 1338, 2152
Hartzler, E., 447
Harvey, W. A., 2191
Haseman, L., 1967, 2166, 2246, 2312, 2385, 2422, 2447
Hassan, A., 1689g
Hastings, A., 884
Hattings, C. C., 2168
Hatton, R. G., 2045
Haut, I. C., 1766a
Havis, L., 606, 1204
Hawaii Agricultural Experiment Station, 2787
Hawke, E. L., 1287
(Hawkes, J. G.), 764
Hawthorn, L. R., 1520
Hayes, L. E., 1361
Hayes, N. V., 474, 2731
Hayes, W. B., 996, 1831
Hayhurst, H., 735
Hayward, H. E., 1205
Haywood, E. M., 495
Hazen, A. C., 1395f
Hébert, —, 2665k
H(ector), J. M., 2523
Hecley, W., 690, 2138
Heep, D. M., 664
Heiberg, B. C., 150
Heid, J. L., 2702
Heidstra, G., 34
Heim, R., 2430, 2649
Heinzelman, D. C., 1056
Heller, M. E., 2114, 2727
Helson, G. A. H., 2163, 2217, 2283
Helson, V., 1021
Hely, P. C., 363, 856, 1590
Henaó Jaramillo, J., 406
Henderson, R. G., 2410
Hendrickson, A. H., 30, 611
Hendrickx, F. L., 971
Hendrix, J. W., 450
Henrich, M., 1689h
Henry, A. W., 780
Hensill, G. S., 1328
Heringa-Westerhop, A. C., 289
Herklots, G. A. C., 1832
Herriot, R. M., 750o
Hervey, G. E. R., 1559
Herzer, F. H., 750r
Hester, J. B., 1566
Heuberger, J. W., 756, 758, 792, 1558, 2242

Hewitt, E. J., 638, 639, 2060, 2238, 2240
Hewitt, W. B., 1304, 2124
Hewlett, P. S., 164
Hibbard, A. D., 1272c, 1937, 2434j, 2434k, 2434z
Hibon, J., 2515
Hickey, J. C., 2434 i
Hield, H. Z., 2504
van Hiele, T., 453, 463
Hilborn, M. T., 1199
Hildebrand, E. M., 2527
Hildebrandt, A. C., 809, 1150
Hilditch, T. P., 1084a
Hill, A. G., 1739, 1740
Hill, R., 1957
Hills, C. H., 2714
Hills, K. L., 828, 829, 2329
Hills, L. D., 495
Hilton, R. J., 1184
Hiltz, M. C., 1782
Hintze, S., 1396
Hitchcock, J. H., 892
Hitchcock, O. B., 2134
Hitier, H., 2672
Hoagland, D. R., 104
Hoare, A. H., 1170
Hodges, A. J., 1615
Hodgson, R., 2409
Hodgson, R. W., 1673, 1686
Hoed, F., 2341
Hoffman, M. B., 610
Hofmeyr, J. D. J., 390
Hogan, T. W., 711, 726
Hohlov, S. S., 2089
Holbeche, J. A., 106, 580, 1914
Holben, F. J., 31e
Holenstein, R., 2182
Holland, A. H., 306, 1581
Holmberg, C., 1449
Holmberg, S. A., 310
Holtz, H. W., 552
Holzman, J. J., 2700c
Hooker, W. J., 782
(Hope, G. W.), 2785
Hopkins, E. F., 459, 1651, 2688
Hopkins, J. C. F., 819
Hopp, H., 721
Horák, V., 1152
Horn, F. D., 2434t
Horn, N. L., 2229 i
Horsfall, J. G., 1455
Horticultural Education Association, 1847
Hough, W. S., 2170
Houston, B. R., 1304
Howard, H. W., 1551
(Howarth, W. O.), 497
Howe, G. H., 1175
Howes, F. N., 410
Howland, J. E., 325, 326, 327, 328, 331, 335
Howlett, F. S., 1174, 1190, 1568
Hoy, B., 1991
Hoyle, B. J., 264
Hoymann, W. G., 1431
Hrnciar, G., 2485
Hsueh, Y. L., 1153
Hubanks, P. E., 720g
Huber, H., 1084g, 2123

Huber, W., 1031
Hudson, J. P., 612, 906, 1610, 1907f
Huelin, F. E., 1041
Huger, R., 2114
Hughes, E. B., 1064, 2701
Humbert, —, 2101
Hume, E. P., 1738, 2635
Hume, J. E., 1639
Hummer, R. W., 2665t
Humphries, E. C., 1716
Hunt, N. R., 1294
Hunter, A. S., 29, 1877
Hunter, G., 1049, 1067
Hunter, J. H., 2050
Huntley, G., 991
Hutchins, A. E., 2396
Hutchins, L. M., 662
Hutton, E. M., 774, 878
Hutton, K. E., 1314, 2090, 2103
Hyan, G., 893
Hyde, W. C., 1469
Hyder, K. B. N., 424

Ignatius, J. G. W., 12, 103
Iliev, I., 2051
Iljinskaja, I. A., 82
Iljinskaya, M. I., 156
Illinois State Horticultural Society, 2788
Imperial Agricultural Bureau, 515
Imperial Agricultural Research Institute, New Delhi, 531c, 1100
Imperial College of Tropical Agriculture, 516
"Indian Farming", 2789
Indiana Agricultural Experiment Station, 2790
Indore Institute of Plant Industry, 517, 2808d
Ingle, L., 739
Inglês de Sousa, J. S., 622
Ingram, C., 908
Innes, R. F., 356
Institute of Corn and Agricultural Merchants Ltd., 1848
Institute of Plant Industry, Indore, 517, 2808d
Inter-American Institute of Agricultural Sciences, Turrialba, 2805
Iowa Agricultural Experiment Station, 2791
Ipatjev, A. N., 2233
Ipekoglu, F., 170, 220, 225, 2326
Irrigation Research Station, Griffith, 510, 511
Isaac, P. V., 685
Isaac, W. E., 2698
Isaev, S. L., 1934
Isbell, C. L., 268
Isely, D., 1543
Isherwood, F. A., 2670
Islip, H. T., 1075, 1076, 1079, 1724, 1817, 1818
Israelashvili, S., 1042
Israelson, O. W., 26
Ivanov, N. I., 251
Ivanov, S. L., 1491

INDEX OF NAMES

- vanova, N. A., 128
 zrail'skii, V. P., 1307
- ackman, G. R., 2766
 ackman, R., 919d
 acks, H., 717, 754
 ackson, A. W., 780
 ackson, T. H., 1733
 acob, H. E., 2026
 acob, T. H., 1733
 acobs, W. P., 1689i
 acobson, G., 2188
 acobson, H. G. M., 2434o
 acquot, R., 2710
 agodzinski, S., 1209
 ahnel, H., 771
 ahontov, V. V., 1505
 ain, N. L., 1039
 aivenois, A., 69, 123, 1197,
 1218
 akuškin, I. V., 1466, 2268
 de Jalon, P. G., 1395g
 Jamaica Department of Agri-
 culture, 1849
 James, D., 2709, 2726, 2751
 James, G. M., 2362
 janes, B. E., 1540
 jaramillo, R., 1015c
 jardine, F. L., 2023
 jaynes, H. A., 1354
 jeffers, W. F., 1321
 jefferson, M. E., 1056
 Jenkins, C. F. H., 1378
 Jenkins, J. M., Jr., 320c
 Jenkins, L., 2135, 2166, 2169
 Jenkins, M., 290
 Jenny, H., 2006e
 Janny, J., 1973
 Jensen, J. H., 776
 Jeppson, L. R., 1689j, 2532
 Jiménez, O., 985
 Johansson, E., 84, 1168,
 1227
 John Innes Horticultural
 Institution, 1101
 Johnson, A. T., 1833
 Johnson, D. A., 1548
 Johnson, E. M., 820, 2190
 Johnson, J., 2241
 Johnson, L. P. V., 552
 Johnson, M. A., 1608n
 Johnson, M. M., 2519
 [Johnson], R. M., 745
 Johnston, S., 74d, 79, 633b
 Johnstone, F. A., 945
 Jones, A. H., 1794, 2785
 Jones, D. F., 98c
 Jones, F. R., 889
 Jones, J. S., 1084d
 Jones, L. E., 1271
 Jones, L. T., 1549
 Jones, M. A., 750p
 Jones, P. R., 1339
 Jones, T. H., 38
 Jones, W. J., 750u
 Jones, W. N., 1861a
 Jones, W. W., 2700c
 Jordahn, A. C., 2637
 Jordan, H. V., 210
 Joret, G., 2260, 2270
 Joshi, A. C., 431
 Joubert, G. F., 2499
 Jougan, E., 1972
 Jouis, E., 2001, 2767
- Juganova, O. N., 1322
 Justice, O. L., 964
- Kačinskii, N. A., 28
 Kalra, A. N., 693, 2624
 Kalshoven, L. G. E., 506
 Kamp, J. R., 321, 349c,
 349d, 349f
 Kamperath, A. A., 405
 Kardos, L. T., 1763
 Karp, M. L., 240
 Kárpáti, Z., 1944
 Kasarjan, V. O., 1134
 Kassanis, B., 1481
 Kearns, C. W., 739
 Kearns, H. G. H., 2218, 2219
 Kedrov-Zihman, O. K., 1502
 Kehl, H., 895c
 Keiffer, H. H., 1395h
 Keitt, G. W., 671, 2107
 Kelenyi, G. P., 829
 Keller, K. L., 2207
 Kelley, O. J., 27, 29, 245,
 1877
 Kelly, J. W., 1570
 Kelsell, A., 585, 613
 Kemmer, E., 1157, 1185,
 1206, 1216, 1222, 1223,
 1224, 1237, 1238e
 (Kemmer, E.), 1217
 Kemmerer, A. R., 1066
 Kemp, H. K., 646, 733, 869
 Kempthorne, O., 1413
 Kendrick, J. B., Jr., 875
 Kennedy, J. D., 950
 Kent, G. C., 782
 Kentville Agricultural Ex-
 perimental Station, 2785
 Kenworthy, A. L., 454, 1213
 (Kenya Coffee Services Offi-
 cers), 2601
 Kenya Department of Agri-
 culture, 1102
 Kenyon, A. E., 766
 Kerr, J. A., 882, 953d
 Kershaw, C. J., 2392
 Kertesz, Z. I., 1019
 Kessler, H., 1030, 2676
 Kevan, D. K. M., 988
 Keyworth, W. G., 827, 2346,
 2348, 2349
 Kew, Royal Botanic Gar-
 dens, 518
 Khan, M. H., 750q
 Kidson, E. B., 640
 Kienholz, J. R., 110, 155,
 656, 2095
 Kieser, M. E., 1047, 1800,
 2275, 2706
 Kightlinger, C. V., 227
 Kitaku, K., 448, 450
 Kilbuck, J. H., 2752
 Kilpatrick, D. T., 2002
 Kimbrough, W. D., 370
 King, G. S., 1638
 King, J. R., 1689k
 King, K. M., 2200
 Kiplinger, D. C., 323
 (Kiplinger, D. C.), 2439
 Kirjalova, E. N., 1821c
 Kirkpatrick, T. W., 965
 Kist, J. M., 2570
 Kleijburg, P. L., 148
 Kleiner, P., 2436
- Klimenko, K. T., 1669
 Klingman, D., 918
 Klinke, A., 895d
 Klotz, L. J., 932, 951, 2504,
 2529, 2556
 Knight, B. C. J. G., 18
 Knorr, L. C., 1445
 Knowlton, G. F., 866
 Knutson, H., 1395i
 (Kobel, F.), 529
 Kobjakova, A. M., 1143
 Koch de Bertelli, L., 788
 Kočkina, V. A., 2233
 Koehler, B., 212
 Köhler, E., 816
 Kolesnik, I., 2365
 Kolesnik, I. D., 252
 Kolesnikov, A. I., 1493
 Kolesnikov, B. P., 1869
 Kolisko, E., 496
 Kolisko, L., 496
 Komlev, P. P., 2358
 Konis, E., 555
 Konovalov, I. N., 1971
 van Koot, Y., 1557
 Kopetz, L. M., 891
 (Kopetz, L. M.), 1584
 van de Koppel, C., 1829
 Korjakina, V. F., 181, 1771,
 1772
 Koroleva, V. A., 256
 Kosov, V., 1659
 Kostoff, D., 749
 Kovache, A., 748
 Kovalevskii, G. V., 8
 Koverga, A. S., 1493
 Kožin, A. E., 354, 1669
 Kozlovskii, A. I., 180
 Kozo-Poljanski, B., 235
 Krajevot, S. I., 1561
 Kramer, A., 314
 Krantz, F. A., 1419, 1608o
 Krasilnikov, P. K., 47
 Krasnovskii, A. A., 31c
 Kraus, E. B., 1129
 Kraus, E. J., 1360
 Krijthe, N., 462
 Krjukova, N. N., 1810
 Krofchek, A. W., 250
 Kronenberg, H. G., 75
 Krotkov, G., 1021
 Krug, H. P., 2451
 Krupenikov, I. A., 909
 Krusser, O. V., 1082
 Krylov, M. M., 1904
 Kucinski, K. J., 1280
 Kuonen, D. J., 127
 Kuhlman, G. W., 1238f
 Kultjasov, N., 1870
 Kumar, K., 195
 Kumar, L. S. S., 948
 Kunkel, R., 1513
 Kunz, I., 1087
 Kursanov, A. L., 1142, 1810
 Kushman, L. J., 427
- van der Laan, E., 56
 Lachman, W. H., 262
 Lackey, C. F., 2093
 Lacombe, R., 2044, 2205
 La Cour, L. F., 1126
 van Laere, —, 1081
 Laffer, L. H., 564
- Lafon, J., 1319, 2036
 Lafon, R., 2119
 Lafond, J., 1231
 Lagasse, F. S., 945, 1670
 "Lagonda", 2005
 Lagoni, H., 1033
 Lajudie, P., 430
 Lal, G., 1039
 Lamb, F. C., 1044
 Lamb, J., 1809
 Lamm, R., 1396
 Lampitt, L. H., 1052, 1055,
 1808
 Lancosme, E., 2055e
 Landau, N., 2066
 Landon, R. H., 76, 77
 Lang, A. L., 210
 Langeland, W. E., 1907j
 "De Lange Ossekampen",
 2792
 Langford, G. S., 761, 2434m
 Langham, D. G., 238
 de Lapparent, P., 2221, 2222,
 2223, 2309
 Large, E. C., 789
 Larsen, C. M., 54, 1154c
 Larsen, E. B., 763
 (Larsen, F.), 1981
 Larsen, P., 1148
 Larson, R. H., 895e, 895f
 Lassalle, A., 556
 Latta, R., 729
 Laubscher, F. X., 2414
 Laumont, P., 2319
 Lauritzen, C. W., 26
 Lausanne Horticultural Re-
 search Station, 1103
 Lavrenko, E. M., 46
 Lawler, K. M., 1758
 Lawless, W. W., 2516, 2557d
 Lawrence, G. N., 1788
 Leach, J. G., 800, 1452
 Leach, R., 436
 Leask, D. M. R., 2247
 Leaver, W. E., 1601
 LeBeau, F. J., 1625, 2415
 Lebedeff, G. A., 1579
 Lebedeva, L. A., 1602
 Leben, C., 671
 Lebrun, J., 9
 LeClerc, E. L., 1608p
 Lecrenier, A., 1909
 Ledebauer, M. S. J., 834
 Lee, F. A., 1062, 2405
 Lee, O. C., 2375
 Leefmans, S., 109, 1384,
 1387, 1393
 Leeward Islands Department
 of Agriculture, 1861f
 Lefèvre, J., 1896
 Lefèvre, P. C., 971
 Le Graverend, E., 2767
 Lempicka, Z., 1245
 Lenander, S. E., 1395j
 Lenglen, —, 2054, 2738
 Leonard, E. R., 1016, 2690
 Leonard, O. A., 750r
 Lepesme, P., 309, 432
 Lepigre, A.-L., 2265
 Lepik, E., 791, 895g
 Lerman, R. I., 258
 Leroux, D., 2328, 2425, 2426
 Leroy, J., 2557e
 Leroy, J. F., 389

INDEX OF NAMES

- Lesjuk, E. A., 1935
Leslie, W. R., 43
Levadoux, L., 1259, 2031
Lever, R. J. A. W., 2561, 2562
Levitt, E. C., 1644, 1650
Levy, B. F. G., 2062, 2063, 2064, 2065, 2071
Lewicki, S., 1864
Lewis, D., 597, 648
Lewis, H., 370
Lewis, R. W., 161
Lewis, V. M., 1780
Lewis, W. E., 2490
Leyton, L., 1907g
Leyvraz, H., 2036, 2038, 2055b, 2084, 2085
Li, L. P., 2755
Libes, R., 1922
Libowitzky, J., 919e
Lightfoot, G., 513
Lihnell, D., 1613
Lilleland, O., 1125
Lima, A. R., 1480
Limasset, P., 2289, 2335
Limber, D. P., 1626
Linder, P. J., 721
Lindwall, H., 2434r
Lines, C., 785
Link, G. K. K., 541
Link, K. P., 1515
Linnert, L. F., 530
Linton, R. D., 2252
Lipman, B. L., 1497
List, G. M., 203, 1331, 1442
Littauer, F., 2300
Little, V. A., 172
Littlejohn, L. J. S., 2250
Livera, E. J., 26651
Liwerant, J., 602, 1997
Lloyd, N. C., 202, 798
Lo, T., 1582
Lo, T.-Y., 281, 282
Lock, G. W., 805
Löhnis, M. P., 303
Long, E. M., 1205
Long Ashton Research Station, 2793
Longo, A., 618, 621
Loomis, H. F., 2665m
Loomis, N. H., 465, 1255
Lord, E., 1895
Lord, K. A., 750e
Loree, R. E., 2028
Lorenz, O. A., 264, 273
Lott, T. B., 660, 2091
Lou, C. H., 1153
Loucks, K. W., 459, 1651, 2688
Louis, J., 9
Louis, L., 1749
Lounsky, J., 1618
Loustalot, A. J., 1670, 1754b, 2609, 2612
Louw, A. J., 2110
Low, T. R., 169
Lowe, B. A., 1748
"Lowlander", 2600
Lowman, M. S., 1570
Lowson, J. M., 497
Loza, G., 4
Lucas, E. H., 2193
Lucas, H., 772
Luckwill, L. C., 595, 2267
Lugeon, A., 1972
Lugg, J. W. H., 320p
Lundegårdh, P. H., 1907h
Lunder, R., 486a
Lüthi, E., 672
Lüthi, H., 1084e, 2760f
Lutohin, S. N., 2397
Luttrell, E. S., 125
Lutz, J. M., 1661, 2695
Lutz, L., 2291
Luyten, I., 347
Lynch, S. J., 997, 2557f, 2633
M., A., 2434n
Maag, R., 2462f
Maan, W. J., 265, 1522
(MacArthur, M.), 2785
Macaulay Institute, 1104
McBeth, C. W., 2137
McCallan, S. E. A., 149, 151
McClelland, W. D., 342, 1612, 1624, 22291
McColloch, L. P., 879
McCollum, J. P., 1567
McComas, P. S., 947
MacCreary, D., 1576
MacDaniel, J. C., 2139
MacDaniels, L. H., 68
MacDonald, J. A., 2372
McElroy, L. A., 1760
McEvoy, E. T., 808
McFarlane, J. S., 447, 962
McGillivray, J. H., 316, 1581
McGillivray, K. D., 936, 2476
McGowan, J. C., 1395k
McGregor, W. G., 205
McHargue, J. S., 224
McHatton, T. H., 2000
McIntosh, T. P., 1861b
Mack, G. L., 647
Mack, W. B., 35, 63, 64
Mackay, B. B., 443
McKay, J. W., 1269
McKay, R., 669
McKenzie, W. F., 2453
McKinney, H. H., 1483, 2229m
McKirahan, R. D., 1795
McKnight, T., 446
McLean, A., 1084i
McLean, D. M., 286, 1554
McLean, J. G., 1425
McLeod, W. S., 1523, 1524
McMillan, R. C., 2768
McMunn, R. L., 1945, 2006f, 2006g, 2006h, 2055c
McMurtrey, J. E., Jr., 1478
McNary, R. R., 1792
McRary, W. L., 845, 2368
MacVicar, R., 196
McVickar, M. H., 2757
Madras Department of Agriculture, 2794
Magee, C. J., 2131, 2572
Magness, J. R., 1196
Magoon, C. A., 2025
Maddihassan, S., 13951
Mahngar, S. B. S., 370
Mahoney, C. H., 464, 1063
Main, A. D. C., 2278
Maine Agricultural Experimentation Station, 37, 1412, 2249
Major, F., 746, 1074, 1075
Makarov-Kožuhov, L. N., 1305
Maki, T. E., 568d
Makower, B., 1084f
Maksimov, N. A., 2269
Malabotti, A., 885
Malan, A. H., 1265
Maliga, P., 2048
Mallamaire, A., 2663
Mallette, M. F., 1053
Malot, J. C., 874, 912, 1585
Malterre, H., 2260, 2270
Mamprim, O. A., 2594
Manaresi, A., 1176, 1834, 2115, 2683
Maness, H., 87
Manley, G., 2074
Mann, L. K., 458
Manning, J. D., 2582, 2665n
Mfanning, W. W., 2603
Manns, T. F., 1316
Mansilla, E. E. L., 1225
Manson, G. F., 1340
Marani, M., 1220
Marcel, —, 2394
Marchionatto, J. B., 99
Marenkin, F. S., 2261
Marijon, G., 1341
Marimpietri, L., 868
Markeev, F. A., 177
van Marle, G. S., 1355
Marloth, R. H., 1268, 1735, 2631
Maroc, Service de l'Horticulture, 1630
Marques de Almeida, C. R., 535
Marsais, P., 2076, 2117, 2229p
Marsh, P. B., 7501
Marsh, T. D., 2573
Marshall, R. E., 486b
Marsh-Smith, E. C., 2575
Marsico, D. F., 41
Martens, P. H., 1373
Marth, P., 1568
Marth, P. C., 1196, 1204
Martin, A. E., 751a
Martin, H., 731, 1366, 2165, 2178, 2218, 2219
Martin, J. A., Jr., 366, 367
Martin, J.-B., 2746
Martin, J. C., 104
Martin, J. T., 750s
Martin, L. E. R., 571
Martin, W. R., Jr., 2032
Martinez Crovetto, R., 1398
Martinoi, L., 1925, 2181
Martyn, E. B., 437
Marty, A., 1903
Marucci, P. E., 1354
Mascre, M., 418
Mason, A. C., 760
Masse, A. M., 2132, 2140
Massibot, J. A., 59, 2472, 2623, 2769
Maštakov, C. M., 1504
Mathew, G. E. A., 1391
Mathis, W., 1654
Mathur, M. L., 1510
Matsuura, M., 962
Matthews, E. M., 2757
Matthews, R. E., 2664
Matthews, R. E. F., 1441
Mattson, S., 2760g
Mauri, N., 2466, 2514
Mauritius Sugarcane Research Station, 531d
Maximov, N. A., 1146
Maxwell, C. W. B., 1345
May, A. W. S., 292, 93, 1653
Mayadas, P., 615, 2760h
Mayne, W. W., 2583
Mazzolani, G., 592
Mead, W. J., 31g
Meader, E. M., 50
Meara, M. L., 1084a
Mecartney, J. L., 86
Medvedev, P., 1501
Meereboer, P. J., 1550
Meier, K., 637
Mejta, R., 976
Melin, E., 1362
Mello, D. A., 365
Melville, A. R., 2605
Melville, R., 1784
Mendes, L. O. T., 2617, 2622
Mendes, P. T., 2557g
Menzel, R., 698, 2180
Meredith, C. H., 1006
Mergentime, M., 482
Merny, G., 1008, 2647, 2656, 2691
Merrill, S., Jr., 382
Merrill, T. A., 173a, 1236
Métalnikoff, S., 2197
Metcalf, R. L., 739
Meunissier, A., 2389
Meyer, A., 589
Michelbacher, A. E., 1334
Middlekauff, W. W., 1334
Middleton, J. T., 2351, 2388, 2398
Milbrath, J. A., 1302, 2095
Miles, M., 2423
Miles, R. O., 1901
Miller, C. D., 423, 1749
Miller, E. V., 2509, 2557h, 2557i, 2686
Miller, L. P., 1394, 1395m
Miller, M. C., 187
Miller, P. W., 1295, 1296
Mills, H. B., 2134
Mills, M., 878
Mills, W. D., 1371
Milthorpe, F. L., 114, 116
Miner, F. D., 1543
Ministry of Agriculture, London, 1251, 1835, 2232, 2795, 2796
Ministry of Education, London, 2797
Ministry of Fuel and Power, London, 1907e
Minnesota Agricultural Experiment Station, 1861g
Minor, E. C. K., 422
Minshall, W. H., 718, 719
Miny, M. P., 1714
Minz, G., 2528
Mirimanoff, A., 1903, 2360
Mirzabekjan, R. O., 1311
Misra, V. C., 485

INDEX OF NAMES

- Mississippi Agricultural Experiment Station, 519
 Mitchell, B. L., 823, 824, 825
 Mitchell, J. W., 1360
 Mitchell, K. J., 861
 Mitchell, R. L., 553
 Modlibowska, I., 2079
 Moeller, S., 2300, 2400
 Moez, G., 2116
 Moffett, J. P., 2745
 Mogen, C. A., 247
 Moh'd Sa'id bin Sheik Daud, 2661
 de Mol, W. E., 914, 916
 Molina Mayol, J., 398
 Molotovskii, G. H., 55, 253, 767, 1879
 Mommers, J., 57
 Monachino, J., 954
 Monosmith, R. O., 349a
 Montaldo, A., 787, 2262
 Montgomery, H. B. S., 1912
 Montserin, B. G., 979
 Moon, H. H., 147
 Moore, E. L., 269, 293, 320f
 Moore, J. D., 658, 2107
 Moore, L. B., 1409
 Moore, M. H., 2129, 2211
 Moore, R. C., 113
 Moore, R. J., 843, 895h
 Moore, R. M., 2192
 Moore, W. C., 1574
 Moore, W. D., 185, 853
 Moreau, L., 1992, 2750
 Moreira, S., 2495, 2518
 Morel, J., 466
 Morettini, A., 578
 Morgan, C. N., 276, 295, 1556
 Morgan, M. F., 2434o
 Morofsky, W. F., 1460, 1462
 Morris, L. L., 458
 Morris, T. N., 1088
 Morrison, F. O., 1379
 Morse, R., 2390
 Morwood, R. B., 428
 Moscow State Plant Breeding Station, 1105
 Mouat, H. M., 576, 927
 de Moura Campos, F. A., 1528
 Mouttia, L. A., 987
 de Mowbray, E. G. B., 402
 Mowry, H., 2539
 (Moyls, A. W.), 2785
 Mudra, A. E., 1821d
 van den Muijzenberg, E. W. B., 1256
 Mukherji, S., 2665o
 Müller, B., 1606
 Muller, C. H., 2366
 Müller, K. O., 813
 Muma, M. H., 761
 Mumford, D. C., 1238b, 1238f, 1272a
 Muncie, J. H., 1460, 1462
 Mundinger, F. G., 1333
 Munger, H. M., 1399
 Munro, M., 2418, 2421
 Münster, J., 2284
 Muraizama, S. J., 2434p
 Murneek, A. E., 304, 2006i
 Murray, M. A., 539, 888
 Muskett, A. E., 209
 Mustard, M. J., 997, 1048, 2557f, 2627, 2633, 2665p
 Myburgh, A. C., 1392, 2533
 Myers, A., 2434q
 Myers, A. T., 23, 380, 1544
 Myers, C. H., 267
 Mynbaev, K., 257
 Mynhardt, C. B., 2498
 Nádovnik, J., 581
 Naghs, J., 1607
 Naik, K. C., 2632, 2634, 2789
 Narasimhan, M. J., 1754c
 Narasimhaswamy, R. L., 972
 Narbutt, K. I., 568e
 National Institute of Agricultural Engineering, 520
 National Research Council of Canada, 531b, 2808b
 National Shade Tree Conference, Ohio, 2808e
 Natividade, J. V., 599
 Natrass, R. M., 781, 873, 2564
 Navellier, P., 475, 476
 Naves, Y. R., 1821e
 Neal, A. L., 1214, 2220
 Neal, P. A., 1395n
 Nederlandsche Algemeene Keuringsdienst, 1155
 Neff, M. S., 379, 381
 Nègre, E., 2760i
 Neiman, G. B., 1500
 Nel, E. A., 1678
 Nel, R. G., 1391
 Nel, R. I., 1159
 Neller, J. R., 1907b, 2318
 Nelson, R., 830, 831, 2374
 Nepveu, P., 2145, 2216
 Netto, I. C., 1080
 Neuweiler, E., 193
 Nevin, C. S., 2714
 Newcomb, M., 550
 Newcomer, E. J., 1325, 1330, 1351
 New Delhi, Imperial Agricultural Research Institute, 531c, 1100
 Newhall, A. G., 283
 Newnham, E. V., 1116
 N. S. Wales Division of Horticulture, 1637
 Newton, J. H., 1331
 Newton, W., 785, 849, 915
 New York State Agricultural Experiment Station, 2798
 New York State Horticultural Society, 2799
 New Zealand Department of Agriculture, 33, 521
 Nicholas, D. J. D., 1275, 2406
 Nickels, C. B., 1343
 Nielsen, E., 1084f
 Nielsen, E. T., 763
 Nienow, I., 547
 Nijholt, J. A., 2659
 Nikitin, A. A., 47
 Nikitina, I. L., 1633
 Nikolaeva, T. L., 1603
 Nilsson, A., 1163
 Nilsson, F., 263, 1162, 1167, 1539, 2434r
 Nilsson, G., 1181
 Noggle, G. R., 13
 Nombrot, A., 1966
 Noordam, D., Jr., 1117
 Norman, A. G., 320j, 320k, 320l
 Normanha, E. S., 966
 Norris, D. O., 1369, 2283
 The Northern Horticultural Society, 522
 Northern Rhodesia Department of Agriculture, 1106
 Nott, J., 530
 Nottage, I. L., 1634
 Nugent, T. J., 285
 Nusbaum, C. J., 2542, 2543
 Nyasaland Protectorate, Department of Agriculture, 1850
 Nyhlén, A., 1608q
 Nylund, R. E., 1419
 Nysterakis, Fr., 2100
 Oberholzer, P. C. J., 1640, 2488
 Öblom, K., 1362
 Ochoa, L., 961
 O'Connor, R. T., 1056
 von Oettingen, W. F., 1395n
 Office du Pyrèthre, 171
 (Office du Quinquina, Costermanville), 2615
 Ogilvie, L., 2418, 2421
 O'Kane, W. C., 1389
 O'Kelly, J. F., 214, 947
 Okunzov, M. M., 1137, 1138, 1139
 Oldén, E. J., 1169, 1201
 Oleinikova, I. I., 1497
 Olejníček, H., 1241, 1774
 Olliver, M., 1778
 Olmo, H. P., 74b, 1258, 2518
 O'Neal, E. J., 2144
 Ontario Department of Agriculture, 523
 Oosthuizen, M. J., 1463
 Orbay, R., 221, 320q, 320x
 Osborne, J. A., 1049, 1067
 Osburn, M. R., 1654
 Ossianilsson, F., 1617
 Osterwalder, A., 2462g
 Östlin, E., 1227
 Östlund, N., 1252
 Osvald, H., 1836
 Otamendi, J. C., 2183
 Ott, J., 2099
 Ottawa, Central Experimental Farm, Division of Horticulture, 2785
 Ottawa, Central Experimental Farm, Fruit and Vegetable Products Laboratory, 2785
 van Overbeek, J., 955, 956, 963, 1012, 1699, 1889, 2651
 Owen, H., 959
 Owens, H. B., 1395o
 Oxford, D., 1306
 Özbaş, H., 2325
 P., T. V., 972, 2593
 van der Pauw, F., 1429
 Pacilly, B., 2571
 Paden, W. R., 1282
 Page, J. O., 1621
 Pählman, A., 1164
 Paillet, A., 2148, 2175, 2176, 2177
 Painter, A. C., 2056
 Painter, J. H., 381
 Palmer, E. F., 42
 Palmer, R. C., 1991
 Palmiter, D. H., 670
 Palti, J., 2300, 2399, 2400, 2419
 Pandali, K. M., 750t
 Pape, H., 902
 Paris, R., 418
 Parkinson, T. L., 1052, 1055, 1779
 Pasfield, G., 129, 709, 710
 Pasquier, M., 2052
 Pastac, L., 1395f, 1459
 Pastac, I. A., 1395p
 Patterson, C. F., 349e
 Paul, P., 1821f
 Paulian, R., 2665g
 Pavcek, P. L., 1054
 Payne, M. G., 1591, 1888
 Peace, T. R., 1290
 Pearce, S. C., 1489, 1911
 Pearce, H. L., 1982
 Peay, W. E., 301
 Pedersen, A., 1839
 Peikert, F. W., 1986
 Peiris, A. J. C., 2645
 Peninsula Horticultural Society, 1851
 Penman, H. L., 1873
 Penney, F. C., 2666
 Pennsylvania Agricultural Experiment Station, 1112b
 Pennsylvania State Horticultural Association, 1852
 Pereira, H. C., 2599, 2606
 Peren, G. S., 1154d
 Perlova, R. L., 2257
 (Peronne, P.), 1560
 Perret, J. E., 2536
 Perrin, D. D., 554
 Perrot, —, 2361
 Perry, R. L., 2713
 Person, L. H., 376, 1663
 Pervuhina, N. V., 219
 Petch, C. E., 130, 2108
 Petersen, E. O., 1628b
 Peterson, H. B., 1593
 Peterson, P. D., 1353
 Peterson, W. H., 2409
 Petersson, G., 1608r
 Peyser, E., 1084g, 2083, 2122
 Peyre, P., 2006j, 2006k, 2055d, 2055e, 2055f
 Phillips, A. M., 688
 Phillips, G. A. R., 1837
 Phillips, T. G., 2697
 (Phillips, W. R.), 2785
 Phillips, E., 2641
 Philp, G. L., 1923

- Philp, J., 241
Pickett, A. D., 723
Pickett, B. S., 1658
Pickett, W. F., 145, 146
Pidford, J. H., 1820
Piedrahita, F., 2665r
Pienazek, S. A., 1760, 1762
Pierce, M. E., 1794, 2785
Pierce, W. C., 1343
Pierre, F., 1341
Piettre, M., 2681
Pilipenko, A. G., 2233
Pinck, L. A., 312
Pinckard, J. A., 320h
Pinhey, E. C. G., 696
Piper, R. B., 2483, 2540
Pirie, N. W., 2332
Pizer, N. H., 1601
van der Plank, J. E., 764, 1415, 1416
Platenius, H., 320r
du Plessis, S. J., 2121
Plinka, A. D., 1517
de Poerck, R., 1632
van de Pol, P. H., 266
Poležae, G., 2355
Poljšček, A., 1182
Poljšček, A. D., 1211
Poljakoff, A., 591
Poljankova, T., 2403
Pollack, F. G., 879
Pollard, A., 1047, 1423, 1800, 2275, 2706
Pollard, A. G., 1865
Pollard, L. H., 1593
Ponnurangam, V. S., 982
Pons, W. A., Jr., 568b
Pope, H. C., 563
Popenoe, W., 396, 1682
Porpácz, A., 2012
Porter, J. W., 1059
Porter, R. H., 311, 1906
Porter, W. F., 770
Porter, W. L., 1607
Portères, R., 408, 1753
Poskin, J. H., 2591
Posnette, A. F., 411, 1717, 1718
Possingham, E., 720
Post, J. J., 1206
Post, K., 178, 325, 327, 328
Potockaja, A. P., 1128
Potter, C., 1695
Potter, G. F., 379
Potter, N. A., 1022
Poulter, R. M., 1872, 2073
(Poulter, R. M.), 1873
Pound, G. S., 850, 862, 8951, 2382
Powell, D., 154
Powers, W. L., 1284
Pradhan, S., 686
Pratolongo, U., 679
Pratt, A. M., 975, 2595, 2596, 2597
Pratt, H. K., 1689 1
Presley, J. T., 249
Prest, R. L., 1643
Preston, A. P., 1874, 1913, 1975
Preston, I., 1609
Price-Davies, W., 1777
Prill, E. A., 158, 165, 1381
Proebsting, E. L., 1998
Prokofiev, A. A., 254, 255, 2759
Prokošev, S. M., 1770
Proskurnikova, T. A., 1605, 2298
Prostoserdov, N. N., 473
Proulx, T., 1990
Proverbs, M. D., 1379
Prozenko, D. F., 840, 841, 842
Pruthi, H. S., 686
Pryde-Hughes, J. E., 2433
Pryor, D. E., 320s, 1552
Pucher, G. W., 1878
Puerto Rico Department of Agriculture, 1853
Puerto Rico Institute of Tropical Agriculture, 1107, 1108
Pugh, B. M., 1822
Pujals, E. A., 1419
Purewal, S. S., 2789
Pushkarnath, —, 194
Pussard, P., 2314, 2315
Pussard, R., 903, 904
Putman, W. L., 737, 1337
Pynaert, L., 394, 1697
Quarrell, C. P., 753
Quastel, J. H., 1364, 1881, 1882
Quate, G. S., 414
Quebec Pomological and Fruit Growing Society, 2800, 2801
Queensland Acclimatisation Society, 525
Queensland Department of Agriculture and Stock, 524
Quidet, P., 2338
Quigley, H., 1090
Quitslund, F. A., 73
Rabotnova, I. L., 2708
Ragland, C. H., 52
Rahn, E. M., 287
Rai, J. N., 2629
Rainio, A. J., 2402
Rakitin, Ju. V., 1890
Raleigh, G. J., 1513
Ramamoorthy, B., 2061
Ramasarma, G. B., 2665s
Ramaswamy, B. V., 415
Ramfrez, J. H., 2749
Ramsey, G. B., 150, 1446
Randolph, J. W., 369, 371, 373, 374
Rangaswami, S., 232
Rao, M. K. S., 1709
Rao, R. R., 750t
Rao, S. D., 2665s
Raphael, T. D., 883
Rapp, K. E., 224
Rasmussen, E. J., 2209
Rasmussen, M. P., 73
v. Rathlef, H., 919f
Raucourt, M., 144, 2304, 2307, 2310, 2311
Rawlins, T. E., 1479, 2282
Rawlins, W. A., 740
Ray, S., 332
Raychaudhuri, S. P., 1464
Rayner, R. W., 967
Reale Accademia dei Georgofili, 1089
Rebour, H., 498, 1910, 2055g, 2055h
(Rebour, H.), 1608b
Redaelli, P., 2549
Redd, J. B., 2538
Reddy, C. S., 213
Redlich, F., 2078
Reece, P. C., 1635, 2485, 2487, 2489, 2557c, 2652
Reed, H. M., 483
Reed, H. S., 1573
Reed, J. F., 1675
Reed, L. R., 2186
Reed, W. D., 1608f
Reestman, A. J., 197
Regan, C. J., 544
Régner, R., 704, 706, 2767
Reiber, R. G., 2229f
Reichert, I., 2120, 2399, 2400, 2419
Reid, W. D., 884, 887
Reimers, F. E., 2373
Reinhold, J., 1157
Reinking, O. A., 1450
Remington, J. S., 1838
Renard, G. K., 1178
Renaud, M., 1930
Renaud, P., 1932
Renjhen, P. L., 132, 685
Rentschler, H., 1084g
Retöský, R., 1152
Retzer, J. L., 247
Reuther, W., 359, 1233, 1646
Reynolds, T. M., 852
Ribereau-Gayon, J., 1826
Rich, A. E., 1453
Richards, M. C., 881
Richardson, C. H., 1344, 1352
le Riche, F. J. H., 1767, 1791
Rieman, G. H., 196
Riera, F. J., 1884, 1963, 2049
Rieser, A., 320t
Rietsema, I., 44
Rigg, T., 601, 802
Rigney, J. A., 1123
Riker, A. J., 305, 809, 1150, 1310, 2409
Rischkov, V. L., 2334
Risler, J., 2308
Riva Ferré, J., 1347
Rjahovskii, N. A., 1596
Roach, W. A., 1276, 1962
Robb, O. J., 857
Robb, W., 2254
Robbins, P. W., 2760j
Robbins, W. A., 311
Robert, P., 350, 351, 2770
Roberts, F. M., 777
Roberts, J. W., 1372
Roberts, R. H., 107, 1238g
Roberts, W. O., 636, 2066
Robertson, D., 2412
Robertson, L., 233
Robertson, R. N., 2434s
Robinson, A. D., 1782
Robinson, W. B., 85, 1175
Robles, P. S., 1751
da Rocha, O., 984
Rocher, H., 467
Rodde, A., 2319
Rodionenko, G. I., 340
Rodrigues, A., 588, 598, 600, 625
Rodríguez, M., 238
Rodwell, C., 828
Rodwell, C. N., 2329
Roehrich, O., 215, 2760k
Roekens, F., 426
Roessler, E. B., 31d
Rogers, W. S., 583, 910, 1180, 1975, 2019, 2020
Rogerson, J. P., 2229o
Roland, G., 1437, 1443, 1451
Roller, J. W., 2610
Rollin, L., 2319
Rollins, R. C., 1689m
Romagnoli, M., 1465
Rombach, R., 649
Romberg, L. D., 95
Romm, H. J., 1906
Romney, V. E., 1509, 1608s
Roos, K., 637
de Ropp, R. S., 551, 1149, 1151, 1309, 1887
Rosanova, M. A., 836
Rosella, E., 1357, 1421, 2228
Rosenberg, G., 353
Ross, A. A., 1563
Ross, A. F., 199
Ross, E., 2729
Ross, W., 1749
Ross, W. A., 173b, 1324, 1337, 1377
van Rossem, G., 307
Rothamsted Experimental Research Station, 1109
Rounds, M. B., 1689n
Rousseau, P. M., 2739
Roussel, R., 2141
le Roux, M. S., 1264
Rowaan, P. A., 565
Roy, N., 1257, 2055i
Roy, W. R., 357, 474, 2496, 2512, 2731
Royal Botanic Gardens, Kew, 518
Royal Horticultural Society, 1091, 1092, 1093, 2771
The Royal Society, 1854
Rozenova, M. A., 2431
Rozenaál, A., 1438
Rubber Research Scheme (Ceylon), 1097
Rubin, B. A., 1422, 1605, 2298
Rubin, S. S., 1917
Rudolph, B. A., 115
Rudolf, W., 533, 649
Ruehle, G. D., 2628
Ruggieri, G., 683, 933, 934
Rupčeva, I. A., 536
Rupert, J. A., 183
Ruschmann, G., 567
Rusinov, D. P., 1987
Rusk, H. W., 1385
Russell, G. A., 172
Russell, J., 1790
Rutter, A. J., 1133
Ryall, A. L., 2674
Ryan, R. W., 2459
Ryžkov, V. L., 226
Ryžkova, A. S., 2105

INDEX OF NAMES

- Saccas, A., 678
Saha, J. C., 994
Sakimura, K., 655
Sale, J. W., 1060
Salgado, M. L. M., 435,
1003, 1004, 2643
Salinas, J. E., 1713
Salisbury, E. J., 1866
Salisbury, Government
Forest Nursery, 2665j
Salles, R., 91
Salmon, E. S., 512, 1487,
1488
Salzmann, R.), 2255
Samson, R. W., 783
Samuel, G. G., 1433, 2248
Sandeman, C., 898
Sankarasubramanian, S., 232
Sanský, B., 867
Santos, J. B., 630
Saraogov, N. I., 2546
Sartorius, O., 633a
Saunders, A. R., 2414
Savage, E. F., 1999
Savage, E. M., 2483
Savary, A., 2384
Savidge, C., 1940, 1941
Sayed, I. A., 1015d
Sayre, C. B., 320u, 2405
Scarath, G. W., 1498
ščeklova, O. A., 1514, 1614
ščerbakov, A. P., 1595
ščerbinovskii, N., 1404
šchär, E., 2743
šchéhadé, H., 2055d
Schellenberg, A., 2082
Schenck, P. J., 348
Schlippe, P., 2590
Schloessing, A.-T., 2328
Schmidt, C. T., 1014
Schmidt, M., 649
Schmiedeskamp, R., 2134
Schneider, F., 573, 694
Schneider, H., 2522, 2557j
Scholefield, P.-G., 750u
Schraeder, A. L., 1238h
Schribaux, —, 2317, 2692
Schroeder, C. A., 1673
Schroeder, E. M., 93
Schroeder, R. H., 2239
Schuh, J., 1395q, 1395u
Schultz, E. S., 775
Schultz, H. K., 1583
Schultz, J. H., 2006 i
Schulz, F., 1212, 1222, 1291
Schuphan, W., 1051
Schuster, C. E., 1296
Schütz, F., 2013
Schwan, B., 1238h, 1599
Schwarzenberg, C., 2625
Scotland, Department of
Agriculture for, 2802
Scott, A. W., 1788
Scott, D. H., 650
Scott, F. M., 1647, 2510
Scott, L. E., 464
Scott, R. A., 768
Scott, R. O., 568c
Scott, T. R., 750v
Scully, N. J., 2356
Seabrook, W. P., 2772
Seagrave-Smith, H., 471,
1804
Searle, G. O., 204
Sears, O. H., 315
Seely, J. G., 178
Seelye, G. D., 1402
Sell, H. M., 945
Selman, I. W., 870, 2092,
2408
Semovskih, O., 1154f
Sen, B., 1468
Sen, P. K., 2789
Serr, E. F., 1215
Service de l'Horticulture,
Maroc, 1630
Sethofer, V., 742
Ševcov, T., 1796
Severin, H. H. P., 2098,
2434e, 2434f, 2434g,
2434h, 2434i, 2434u,
2434v, 2434w
Sexton, W. A., 722, 2212
Shafer, J., Jr., 320u, 1527
Shalucha, B., 1208
Sharman, B. C., 2429
Sharp, C. C. T., 421, 990
Shatilov, F. V., 943
Shaulis, N., 2039
Shaulis, N. J., 605, 647
Shaw, H., 1366, 2172
Shaw, J. G., 1664, 1666
Shaw, J. K., 1189, 1192
Shaw, M., 1498
Shaw, R. A., 2078
Shear, C. B., 23
Shear, G. M., 222
Sheets, O., 486c
Sheldon, W. H., 108
Shepherd, J. S., 1689o
Sherman III, F., 2173
Sherry, S. P., 241
Showacre, J. L., 1154e
Shrank, A. R., 1907i
Shroeder, W. T., 1559
Shultis, A., 1928
Siaens, F., 92, 1246
Siddiqui, R. H., 993, 1510
Sideris, C. P., 2653, 2654,
2655
Siegler, E. A., 1032, 2689
Siögler, E. H., 712, 750w,
750x
Sierra, H. M., 1745
Sierra Leone Department of
Agriculture, 1855
Sievors, A. F., 2354
Sigurgeirsson, T., 815
Silberstein, L., 1893, 2434b
de Silva, C. A., 992
da Silva Fernandes, C., 218,
445
Simmonds, J. H., 2648
Simmonds, N. W., 1744
Simmons, P., 1028
Simon, L., 1992, 2006m
Simonet, M., 1611, 2464
Simonneau, P., 1929, 1988,
2353, 2379, 2434x, 2475,
2551
Simonneau, R., 2466, 2514
Simpson, G. W., 770
Sinclair, W. B., 486d, 1805,
2479, 2492, 2733
Singh, Harbhajan, 958
Singh, K., 651
Singleton, W. R., 98c
Sinnott, E. W., 1010, 1555
Sinskaja, E. N., 1417
Sisakjan, N. M., 1143
Sites, J. W., 173c, 2557m
Skaptason, J. B., 1447
Skard, O., 1094, 1161
Skazkin, F. D., 6
Skillman, E., 1899
Skovgaard, K., 1839
Skvorcov, A. A., 157
Slape, H. W., 726
Slaski, J., 1200
Slate, G. L., 85
Slater, G., 2557f
Slattery, M. C., 845, 848,
1608v, 2368
Sleesman, J. P., 2316
Sleeth, B., 847
Sloan, W. J. S., 393, 689
van Slooteren, E., 1301,
1444, 2454
Small, T., 1458
Smargon, E. N., 1674
Smart, A. B., 557
Smetannikova, A. I., 181
Smirnova, V. A., 2334
Smith, A. G., Jr., 329
Smith, C. L., 95, 1270
Smith, C. O., 2229p
Smith, E., 456, 2674
Smith, E. H. G., 1000
Smith, F. B., 1894
Smith, F. F., 2427
Smith, F. G., 1515, 1907j,
2187
Smith, F. L., 1581
Smith, F. V., 2434y
Smith, G. M., 1608u
Smith, H. A., 1833
S[mith], I. C., 999
Smith, J. E., Jr., 1608t
Smith, J. H., 429
Smith, K. M., 1299
Smith, M. A., 288, 1446
Smith, M. G., 233
Smith, O., 801
Smith, P., 542
Smith, R. F., 1064
Smith, R. H., 2450
Smith, T. E., 2331
Smith, W. H., 1759, 2668,
2682
Smith, W. J., 546
Smith, W. P. C., 872
Smith, W. S., 677
Smith, W. W., 1188, 1249,
2136, 2166
Smock, R. M., 452, 455
Snapp, O. I., 1336
Snedecor, G. W., 1525
Sneep, J., 118
Snitko, E. Z., 177
Snyder, E., 111
Snyder, E. G., 799
Snyder, J. C., 1964, 1980,
2022
Snyder, L. C., 2231
Snyder, W. C., 200, 306
Sobrinho, J. S., 1979
Söding, H., 895i
Soenen, A., 2162
Sokolov, S. J., 46, 2358
Sokolov, V. S., 1494
Sokolova, V. E., 1422
Souček, J., 586
de Sousa, J. S. I., 1979
South Australia, 526
Southey, J. F., 2350
Southwick, F. W., 457
Spafford, W. J., 1232
Sparks, W. C., 320v, 1425
Speck, L. W., 1815
Spencer, E. L., 1900
Spinks, G. T., 1933
Spor, P. A., 1315
Spranger, E., 901
Spronston, T., 120
(Sprygin, I. I.), 499
Squires, D. W., 1036, 2434m
Squires, P., 1129
Srinivasan, V. K., 948
Stadhouders, P., 1253
Stadtman, E. R., 1025, 1026,
1027
Stachelin, M., 2118, 2126,
2127
Stahel, G., 2619
Stahl, A. L., 2712
Stahl, C. F., 1577
Stair, E. C., 1608m
Stammers, F. M. G., 2229q
Standen, J. H., 153
Staniland, L. N., 2199
Stankov, N. Z., 1132, 1502
Stankov, S. S., 234
Stanley, W. M., 815
Stanton, D. V., 1913
Stanton, W. R., 2238, 2406
Starr, D. F., 998, 1666
Starr, G. H., 1448, 2292,
2293
Starr, M. P., 2370
(Station Experimentale de
Quinquina), 2611
(Stations de Recherche
Agronomique), 1989
Stearns, C. R., 2557k, 2700a
Stearns, L. A., 792, 1388
Stebbins, T. C., 1214
Steer, W., 1376, 2172
Steer, W. H., 2773
Stefanelli, G., 562
Steinbauer, C. E., 1661
Steinberg, R. A., 1472, 2330
Steinhauas, E. A., 1840
Stephens, R. M., 711
Stephens, S. E., 2023
Stephenson, R. E., 607, 1296
Sterne, F., 1766b
Sterne, F. C., 1841
Stewart, D. W., 2760 i
Stevens, H. E., 2524
Stevenson, E. C., 1492
Stevenson, F. J., 2253
Stevenson, V. W., 1949
Stewart, W. D., 153
Stewart, W. S., 942, 2504,
2665t
Steyaert, R. L., 549
Stiff, H. A., 734
Stiles, W., 1140
Stinson, F. A., 2324, 2781
Stitt, L. L., 1461
St. Lucia Department of
Agriculture, 1112c
Stockar, A., 1668
Stocking, C. R., 1057
Stofberg, F. J., 1348
Stoffels, E. H. J., 2588

INDEX OF NAMES

- Stokes, W. E., 2339
Stone, C. L., 1271
Stotz, E., 1907j
Stoughton, R. H., 1119, 1120
Stout, G. J., 31e
Stout, G. L., 2102
Stoutemyer, V. T., 1616
Stoval, R. P., 407
Stovicek, L. N., 1505
Strachan, C. C., 1801
(Strachan, C. C.), 2785
van der Straeten, E., 500
Straib, W., 907
Street, H. E., 766
Strickland, A. G., 1665
Strickler, B., 545
Stringer, A., 2185, 2287
Strong, M. C., 2404
Strong, W. J., 2010
Struckmeyer, B. E., 1965
Strydom, E., 1401
Stuart, G. M., 2376
Stuart, N. W., 1519, 1624
Stuhr, E. T., 2359
van Stuijvenberg, J. H. M., 463, 594, 1145, 2694
Stummer, A., 623
Sturdy, M., 2709, 2726, 2735, 2751, 2754
Sudds, R. H., 1193, 1195, 1238j, 1960
Sugarcane Research Station, Mauritius, 531d
Sugihara, J., 1814
Suhorukov, K., 1154f
Suhov, K. S., 198
Suire, J., 2174
Summerland Agricultural Experimental Station, 2785
Sun, G., 1529, 1530
(Sundays River Research Station), 2477, 2478, 2500
Sundelin, G., 2188
Susakjan, N. M., 296
Sutulov, A. N., 1141
Švecova, A. N., 1350
Swamy, B. G. L., 1700
Swanson, C., 1334
Swarbrick, T., 1226, 1883
Swart, H. C., 2531
Swartenbroekx, J. M. L., 162, 1368
Swartwout, H. G., 2006n, 2032
Sweet, R. D., 175, 1513
Swift, L. J., 1045
Swingle, C. F., 1692
Swingle, W. T., 2463, 2484
Swynnerton, R. J. M., 750y, 1002, 1750
Sydenham, F., 575
Sykes, S. M., 2673
Syneholm, M. E., 22, 165, 1147, 1381
Sizirmai, J., 818
Tai, E. A., 2480
Takahashi, W. N., 1479, 2282
Talbert, T. J., 74e, 1272c, 1937, 1974, 2080
Talley, F. B., 2727
Tandon, S. L., 195
Tanganyika Department of Agriculture, 1110
Tansley, A. G., 1095
Tarčevskij, V. V., 5
Tate, H. D., 776
Tavernier, J., 58
Taylor, A. L., 2137
Taylor, C. F., 675
Taylor, C. T., 183
Taylor, G., 2435
Taylor, G. G., 673
Taylor, H. V., 1114
Taylor, J. S., 1342
Tea Research Institute of Ceylon, 1098
Telford, E. A., 409
Templeman, W. G., 722
Tenhet, J. N., 1486, 1608f
Terra, G. J. A., 2521
Terry, H. B., 1239
Texas Agricultural Experiment Station, 2803
Thaper, L. A. R., 2665u
Thelwell, A., 1013
Themlitz, R., 567
Theron, C. J., 1266
Theron, P. P. A., 2167, 2198
Thirumalachar, M. J., 1754c
Thomas, A. S., 1710, 1727
Thomas, H. E., 200, 336
Thomas, H. R., 886, 2411
Thomas, I., 2462h
Thomas, L. A., 582
Thomas, P. H., 890, 1985
Thomas, W., 63, 64
Thomas, W. A., 703
Thompson, A. H., 70, 72
Thompson, C. R., 1277
Thompson, H. H., 1084j
Thompson, M., 2774
Thompson, P., 1084h
Thompson, R. C., 284, 1537
Thompson, W. L., 2557l, 2557m, 2557n
Thomson, C. L., 857
Thornton, G. D., 1894
Thornton, N. C., 93, 481
Thorold, C. A., 981a, 1711, 2587
Thung, T. H., 1662, 2296
Thurston, H. W., 152
Tihon, L., 451
Tihovskaja, Z. P., 219
Tillemans, E., 159, 1380, 2565
Tilimofeev, A., 1165
Tims, E. C., 2378
Timson, S. D., 895j
Tincker, M. A. H., 1516
Ting, C. L., 320w
Tingde, D. C., 246, 846, 1508
Tintometer Ltd., 635
Tisdale, W. B., 223
Tjutjunnikov, A. I., 341
Todd, A. R., 2303
Toenjes, W., 1238k, 1938
Tokin, B. P., 168
Tolhurst, J. A. H., 2347
Tometorp, G., 1396
Tomkins, R. V., 844
Tomlinson, W. E., Jr., 2156
Tompkins, C. M., 338, 339, 346, 2461
Tomur, K., 223, 320x, 320y, 2017
Tondeur, R., 2566
de la Torre, L. M., 1065
Torrie, J. H., 889
Tottingham, W. E., 196, 1424
Tow, L. R., 750n, 1382
Townsend, G. R., 283, 2236, 2263
Toxopeus, H. J., 507, 2558
Traill, D., 1084i
Trant, H. P., 845
Traub, H. P., 848, 1506, 1608v, 2367
Trautner, E. M., 2329
Treccani, C. P., 679
Trelawney Tobacco Research Station, 2804
Tressler, D. K., 501, 1029
Trinidad, Imperial College of Tropical Agriculture, 516, 1857
Trinidad and Tobago Director of Agriculture, 1856
Trivelli, G., 2118
Trotman, A. E., 461
Trovet, B., 2304
Troy, V. S., 1803
Truffaut, G., 1395r, 1459
Trumble, H. C., 31f, 243
Truog, E., 1281
Truscott, J. H. L., 1776
Tseng, C. K., 2432
Tuba, J., 1049, 1067
Tubbs, F. R., 1706, 1708, 2576, 2578, 2584, 2585
Tucker, C. M., 2461
Tucuman Agricultural Experiment Station, 527
Tukey, H. B., 727
Tunblad, B., 1327, 1395s, 1408
Tureckaja, R. H., 2269
Türkdoğan, A., 225
Turnbull, J., 1244, 1367
Turner, J. S., 2434s
Turner, N., 1455, 2224
Turner, W. F., 1395t
Turrell, F. M., 1124, 1689p, 2493
Turrialba, see Inter-American Institute of Agricultural Sciences
Tydeman, H. M., 1874
Tyner, L. E., 779
Uganda Department of Agriculture, 528
Uhlmann, G., 179
Uhvits, R., 1205
Ulrich, R., 1231, 1969
Union of South Africa Department of Agriculture, 1858, 1859
Union of South Africa, Division of Horticulture, 1660
Upshall, W. H., 53, 62, 584, 604
U.S. Department of Agriculture, 2806
van der Vaart-de Vlieger, S. H., 1117
Vakulin, D. J., 913
Valer, P., 1821g
Valdés Barry, F., 1694
Vallance, L. G., 294
Valleau, W. D., 820
Vallot, J., 1961
Vandenplas, A., 2559
Vanderwalle, R., 1451, 1620
Vanneck, C., 2740, 2741
Vanselow, A. P., 1124
Varma, S. S. R., 952, 2055
Vasiljev, V. L., 532
Vasiljeva, N. A., 1143
Vasudeva, R. S., 773, 2279
Vaughan, E. K., 853
Vaughn, J. R., 800, 1452
Vavilov, N. I., 1633
Vayssière, P., 160, 309, 2604
de Vázquez, E. S., 2651
Veinhmeyer, F. J., 30, 611
Veldhuis, M. K., 2703, 2732
Veldstra, H., 463
Vélez, I., 963, 1699, 2650
Vélez, J., 1011
Ven, R. V. D., 1477
Venkatarayan, S. V., 986, 2602
Venkeler, J., 1842
Vermont State Horticultural Society, 1860
Vesterhus, R., 1070
Vidal, —, 1319
Vidal, V. C., 1080
Viel, G., 705, 2357
Viennot-Bourgin, G., 360, 2111
Viggiani, G., 765
Vilardebo, A., 468, 2557o
Villafañe, A. G., 399
Villegas, D., 1682
de Villiers, G. D. B., 2087, 2088
Vincent, A. E., 114
Vinet, E., 1992, 2040, 2041, 2750
Vintika, J., 747
Virgin, W. J., 874
Visser, W. C., 66, 1235
Vitoria, E. R., 556
Vizern, —, 477
Vollaire-Salva, J., 2728
Voorhees, R. K., 2557p
Voronevich, I. V., 271, 291
Vovk, A. M., 198
de Vries, O., 419
V.S.V.V.S., 2255
Vysockij, K., 1870
(Vysokos, G. P.), 1105
Vyvyan, M. C., 1983
van der Waal, G. A., 2693
Waddington, G., 2626
Wädenswil Horticultural Research Station, 529
Wadley, F. M., 750z, 2491
Wafer, M. H. A., 1689g
Wager, V. A., 2530
Wagner, F., 757
Wagoner, J. A., 944
Wain, R. L., 741, 751a
Waldo, G. F., 78, 1240, 1272d, 1272e, 1272f, 1320

INDEX OF NAMES

- alker, J., 603
 alker, J. C., 855, 859,
 895l, 1515, 1532, 1575
 alker, W. F., 883, 2395,
 2446
 allace, C. R., 133
 allace, E. R., 1035
 allace, J. M., 1648, 1649,
 2517
 allace, T., 102, 639, 1273,
 1274, 1919, 2057, 2058,
 2273
 allis, R. L., 1608w
 alsh, T., 1572
 alter, E. D., 1608v
 alton, R. R., 762
 ander, I. W., 65
 ang, C. F., 486f
 ang, H. C., 486f
 arcollier, —, 2724
 ard, K. M., 101
 ardlaw, C. W., 1001
 are, W. M., 1600
 aring, J. H., 1199
 arington, K., 278
 arisi, S. A., 993
 ark, D. C., 860
 arne, L. G. G., 497
 arne, L. G. G., 865, 2441
 arren, G. F., 184, 261
 ashington State Horticul-
 tural Association, 2807
 ason, E. J., 699, 708, 715
 asscher, J., 81, 1247, 1250
 atkins, J. M., 211
 atson, G. M., 766
 atson, J., 802
 atson, J. A. S., 1113
 atson, J. R., 142
 ay, R. D., 568d
 ebley, D. M., 566
 ebster, C. C., 1667, 2545
 ebster, J. E., 88
 eibel, R. O., 239
 eier, T. E., 1057
 eigel, C. A., 759
 eil, B. H., 1766b
 einard, F. F., 321, 349c,
 349f
 einstein, E. F., 568e
 elch, D. S., 68
 elch, F. J., 947
 ellensiek, S. J., 10, 1905,
 2455
 ellman, R. H., 151
 ene, G., 740
 Went, F. W., 1400
 Wenusch, A., 1473
 (Wenusch, A.), 1477
 Wenzl, H., 778
 West, C., 1017
 West, F. T., 1608x
 West, G. B., 1395g
 West, H. O., 946
 West, W. J., 2276
 Wester, H. V., 662
 Wester, R. E., 31g
 Westgate, P. J., 2657
 Westlake, W. E., 1351
 West Midland Group. on
 Post-War Reconstruc-
 tion and Planning, 502
 West of Scotland Agricul-
 tural College, 1861h
 Weston, W. A. R. D., 2393,
 2442
 de Wet, A. F., 1978
 Whaley, W. G., 2363
 Whelan, L. A., 420, 992
 Whetzel, H. H., 117, 122
 Whitaker, C. H., 1723
 Whitaker, T. W., 320s, 1552
 Whitcomb, J., 1062
 Whitcomb, W. D., 324
 White, D. G., 399
 White, F. A., 2535
 White, H. E., 324, 337, 2438
 White, N. H., 784
 White, P. R., 1127
 White, W. B., 941
 White, W. H., 186
 Whitehead, G. E., 1843
 Whitehead, M. D., 964
 Whitehead, T., 661, 1861b
 Whitehouse, W. E., 1271
 Whiteman, T. M., 342, 1764
 Whitfield, G. S., 2229q
 Whiting, A. G., 539, 888
 Whittaker, E. C., 1921, 2677
 Whittenberger, R. T., 1083
 Whyte, R. O., 503
 Wichmann, H. J., 736, 751b
 Wiegand, E. H., 482, 1240,
 1821h
 Wiersema, H. T., 192
 Wieszyłowski, J., 1173
 Wigglesworth, A., 1467
 Wikén, T., 1362
 Wilbaur, R., 2705
 Wilcox, E. B., 1593
 Wilcox, J. C., 67, 603, 1130,
 1991
 Wildeman, E., 1697
 Wildman, S., 1541
 Wildman, S. G., 1542
 Wilkins, M. J., 2434s
 Wilkinson, E. H., 741, 2345
 Willaume, —, 2214
 Williams, C. G., 1024, 1755
 Williams, J. L., 616
 Williams, R. F., 31h
 Williams, W. O., 1267
 de Willigen, A. H. A., 188,
 189, 190, 191
 Willits, C. O., 895k
 Wilsie, C. P., 213, 320j
 Wilson, A. R., 1430, 2277
 Wilson, D. J., 2342, 2343
 Wilson, E. E., 2102, 2130
 Wilson, G. F., 687, 1823,
 2437, 2462i
 Wilson, J. K., 31i, 313
 Wilson, J. W., 2316
 Wilson, K., 1154g
 Wilson, K. S., 1569
 Wilson, R. D., 1584, 2290
 Winch, N. H., 2698
 Winsor, H. W., 98a
 Winston, J. R., 2537, 2557h,
 2557i
 Winteringham, F. P. W.,
 1037
 Winters, H. F., 2612
 Wisconsin Agricultural
 Experiment Station,
 1111
 Wissing, P., 1069
 Withner, C. L., Jr., 1569
 Witkus, E. R., 1608h
 Witt, A. W., 2045
 Wittwer, S. H., 304, 2239,
 2434z
 Wokes, F., 1061
 Wolf, F. A., 122
 Wolfe, H. S., 1685, 2553
 Wolfenbarger, D. O., 758
 Wollenweber, H. W., 668,
 751c
 Wood, C. A., 661
 Wood, J., 2302
 Wood, J. G., 1907k
 Wood, L. K., 1242
 Wood, M. N., 2055k
 Woodcock, D., 596
 Woodcock, H. D., 917
 Woodhead, C. E., 927
 Woodman, C. W., 224
 Woodman, R. M., 1548
 Woodroof, J. G., 472, 1084j,
 2711
 Woodruff, N., 2224
 Woods, J. J., 2381
 Woodside, A. M., 2142,
 2229r
 Woodworth, C. M., 239
 Woolman, J., 1844
 Wright, D. W., 260, 1598
 Wright, J. M., 1407
 Wright, K. T., 633b, 1238k
 Wright, R. C., 1764
 Wright, S. J., 2276
 Wróblewski, A., 1186, 1245
 Würigler, W., 1886, 2127
 (Wye College), 530
 Wyman, D., 1867
 Yadoff, O., 2206
 Yarwood, C. E., 2398
 Yerkes, G. E., 1194
 Yetter, W. P., Jr., 2164
 Yorel, —, 2473
 Yörük, S., 2325
 Yothers, M. A., 713, 714
 (Youganowa, O. N.), 1322
 Young, G. T., 2557k
 Young, H. Y., 2653, 2654
 Young, P. A., 1571, 2407
 Young, R. A., 1672
 Young, R. E., 1689l, 2687
 Young, T. W., 2665v
 Yu, T. F., 1586, 1587, 1588
 Zabala, S., 298
 Zäch, C., 724, 2215
 Zarger, T. G., 94
 Zaumeyer, W. J., 886
 de Zayas, F., 949
 Zelenskiĭ, M., 1166
 Zeller, S. M., 1302, 1395q,
 1395u, 2095
 Zentmyer, G. A., 932, 951,
 1687, 2513, 2529, 2556
 Zimmerman, M., 1279
 Zimmerman, P. W., 22, 1147
 Zobrist, L., 2460, 2462f
 Zohary, M., 1154h
 Zorin, F. M., 1970
 Zscheile, F. P., 1059
 Zukovskii, P. M., 534
 Zweede, A. K., 1768, 1793,
 2760m
 Zwirn-Hirsch, H. E., 676
 Zykov, I. V., 231

SUBJECT INDEX

Horticultural Abstracts, Vol. XVII

Aalsmeer Res. Stat. for Flower Culture,
A.R. 1945, 2775

Acacia—

decurrens, 241

negra, 242

pendula, bag-shelter moth, 2449

Acalypha cuttings, 955

Acanthoscelides obtectus, 307

Achras zapota, 2630

Acrocomia sclerocarpa, an oil plant, 984

Acrolepia assectella, 265

Acrosternum hilare on peach, 697

Actinidia chinensis, 2008

Actinomyces—

antagonistic to *Fusarium oxysporum*
cubense, 1006

ipomoea, 376

scabies, 190, 782

Aegle marmelos, 2469

Aeroplane—

for applying growth substances, 72

for pollination, 1964

for spraying or dusting, 726, 2209

Aerosol—

DDT applied as—see Sprays, DDT,
aerosol

for eggplant insects, 1395o

growth substances applied as, 1568

insecticidal, storage of, 1395f

methyl bromide, 728

Africa—

French—see also Algeria, etc.—sisal
production, 2571

North—see also Algeria, etc.—

citrus growing, 498, 2471, 2473

pomegranate growing, 2551

tobacco growing, 2434n

West—see also Nigeria, etc.—

cacao introduction, 410

cinchona growing, 2611

fruit growing, 416

Agave—see also Sisal—

amiensis, a fibre plant, 804

cantala, a fibre plant, 2570

lecheguilla and *A. funkiana*, fibre plants,
217

Agricultural—

bibliography, 2806

ecology, 2769

education in England and Wales, 2796

institutions in England and Wales, 2797

research in Great Britain, 1863

research stations in Russia, 3

Agriculture—

in Belgian Congo, 500

in East Indies, 1829, 1830

in Great Britain, 1862

literature reviewed, 1865

Agrius—

hyperici for St. John's wort control,
1359

sinuatus, a pear pest, 131

Agrobacterium tumefaciens—see also
Crown gall—1295, 1296

Agromyza phaseoli, 308, 1590

Agropyrum repens produces antibiotic,
1836

Agrotis ypsilon, 2338

Air-borne spores, spread of diseases by,
2106

"Airmet" meteorological broadcasting
service, 1872, 1873

Alabonia bractella, 1355

Alamoén, a citrus fruit, 2468

Alaska, potato manuring, 1426

Alcohol—

from Jerusalem artichoke, 2746, 2747

from potato, 2760b

Aleurites—see also Tung—

moluccana, a rootstock for *A. fordii*,
527

montana, 527, 1074

Algeria—

apple irrigation, 1988

dried legumes, 2413

olive growing, 1929

orange growing, 2474

potato growing, 1608b

raisin grape production, 2024

red pepper growing, 2353

tomato growing, 1560

vine growing, 2033

Alkaloids—

of *Duboisia* spp., 828, 829

literature reviewed, 2229h

Alligator weed (*Alternanthera philoxer-*
oides), 143

Allanblackia stuhlmannii, an oil plant, 1740

Allium—see also Onion—

ampeloprasum, 2379

cepa, polyploid mitosis in, 1608h

Almond—

bud failure, 2102

chilling required in hot climates, 2087

fruit growth estimation, 60

growing—

in California, 2055k

in Tunisia, 2052

hull utilization, 2752

thinning, 2053

varieties in France, 2055d

water balance, 591

Alocasia indica, bacterial leaf spot, 960

Alpine plants—

frost protection, 2436

from Tibet, 2435

Alternaria—

citri on date, 2550

dianthi, 322

longipes, 819

oleracea, 1533

solani—see also Potato blight—153, 784,

881, 2297, 2410, 2411

tomato, 2297, 2300

Aluminium, orange growth stimulated by,
2503

Amani, E. Afr. agric. Res. Inst. A.R.
1942-45 and 1946, 2776, 2777

Amazon Valley, hole planting system of
Upper, 1692

Amblypelta lutescens, a pest of sub-tropical
and tropical fruits, 393

Ambrosia monophylla, a medicinal plant,
835

America, North, seaweed resources, 2432

Amino-acids and amines, toxic action of,
1882

Ammonia, behaviour in soil, 2006e

Anaphoidea nitens, a parasite of eucalyptus

weevil, 987, 988

Anacardium occidentale—see Cashew nut

Anasa tristis—see Squash bug

Anastrepha—

ludens, 998

serpentina, 1664

Annatto (*Bixa orellana*), a dye plant, 2610

Ancylistis comptiana fragariae, 737

Andropogon virginicus for mulching walnut,
94

Anemone—

corm production, 2462a

coronaria, a host of plum rust, 676

Angelica, an ethereal oil plant, 236

Angitia fenestralis, a parasite of diamond
back moth, 1535

Angola oil palm, 1855

Anhydrazine, carbonic, 548, 1144

Anise hyssop (*Lophanthus anisatus*), 2791

Annona—

cherimola, 1734

muricata, 1734

spp., source of insecticide, 1695

squamosa, 1734

Annual Report—see also Report—

Aalsmeer Vereniging de Proeftuin voor
de Bloementelst 1945, 2775

Amani E. Afr. Res. Inst. 1942-45 and
1946, 2776, 2777

Arizona agric. Exp. Stat. 1945/46, 2778

Balsgård Fruit Breeding Station 1945,
1167

Barbados Dep. Sci. Agric. 1945/46,
2808a

Basutoland Dep. Agric. 1945/46, 1861

Bermuda Dep. Agric. 1946, 1861d

British Columbia—

Dep. Agric. 1942, 1943, 1944, 1945
and 1946, 504, 1846

Dep. Agric., agric. Statistics Rep.
1942, 1943 and 1944, 505

Dep. Agric. Climate Rep. 1944 and
1945, 531a

British Honduras Dep. Agric. 1945,
1861e

Camden Fruit and Vegetable Preserva-
tion Res. Stat. 1946, 2779

Cawthron Inst. N.Z. 1945/46, 508

Ceylon Dir. Agric. Rep. 1945 and 1946,
2780

Cheshunt exp. Res. Stat. 1945, 509

Dominica Dep. Agric. 1945, 1099

Dominion of Canada, Minist. Agric.
1945/46, 1096

East Afr. agric. Res. Inst.—see above,
Amani

- Annual Report—see also Report (continued)—
 East Malling Res. Stat. 1946, 2782
 Eidgenössische Versuchsanst. f. Obst-, Wein- u. Gartenbau, Wädenswil 1945, 529
 Éire Minist. Agric. 1945/46, 2808c
 Florida agric. Exp. Stat. 1945/46, 2784
 Fruit and Vegetable Products Res. Committee, Dep. Agric. Canada 1946, 2785
 Georgia Exp. Stat. 1945/46, 2786
 Gold Coast Dep. Agric. 1945/46, 514
 Griffith Irrigation Res. Stat., N.S.W. 1945/46, 511
 Hawaii agric. Exp. Stat. 1944/46, 2787
 Hop varieties, trial of new, 1945 and 1946, 512, 1487
 Imp. Coll. trop. Agric. Trinidad—see below, Trinidad
 Indiana—see below, Purdue Univ.
 Indore Inst. of Plant Industry 1943/44, 1944/45, and 1945/46, 517, 2808d
 Inst. trop. Agric. Puerto Rico—see below, Puerto Rico
 Inter-American Inst. agric. Sci., Turrialba, 1944/45 and 1945/46, 2805
 Iowa agric. Exp. Stat. 1945/46, 2791
 Jamaica Dep. Agric. 1945/46, 1849
 John Innes Inst. 1946, 1101
 Kenya Dep. Agric. 1945, 1102
 De Lange Ossekampen manurial fruit trials 1943, 2792
 Lausanne—see below, Station
 Leeward Islands Dep. Agric. 1945, 1861f
 Long Ashton Res. Stat. 1946, 2793
 Macaulay Inst. Soil Res. 1945/46, 1104
 Madras Dep. Agric., work of agric. Stats. 1944/45, 2794
 Mauritius Sugar Cane Res. Stat. 1945, 531d
 Minnesota agric. Exp. Stat. 1943/44, 1861g
 Mississippi agric. Exp. Stat. 1943 and 1944, 519
 Nat. Inst. agric. Engineering, Askham Bryan 1945/46, 520
 Nat. Res. Coun. Canada 1945/46 and 1946/47, 531b, 2808b
 New York St. agric. Exp. Stat. 1945/46, 2798
 New Zealand Dep. Agric. 1945/46, 521
 Northern Rhodesia Dep. Agric. 1945, 1106
 Nyasaland Dep. Agric. 1945, 1850
 Ontario hort. Societies 1945, 523
 Pennsylvania agric. Exp. Stat. 1945/46, 1112b
 Puerto Rico—
 Dep. Agric. and Commerce 1943/44 and 1944/45, 1853
 Inst. trop. Agric. 1944/45 and 1945/46, 1107, 1108
 Purdue Univ. agric. Exp. Stat., Indiana 1945, 2790
 Quebec Pomol. and Fruit Growing Soc. 1944, 1945 and 1946, 2800, 2801
 Queensland Acclimatisation Soc. 1945/46, 525
 Rubber Res. Bd Ceylon 1945, 1097
 Sierra Leone Dep. Agric. 1945, 1855
 South Africa Dep. Agric. 1944/45 and 1945/46, 1858, 1859
- Annual Report—see also Report (continued)—
 South Australia Ministry Agric. 1943/44, 526
 St. Lucia Dep. Agric. 1945, 1112c
 Station fédérale d'essais vitic. arboric., Lausanne et Domaine de Pully 1945, 1103
 Sundays River Res. Lab. 1946, 2478
 Tanganyika Dep. Agric. 1945, 1110
 Tea Res. Inst. Ceylon 1945, 1098
 Texas agric. Exp. Stat. 1945, 2803
 Trelawney Tobacco Res. Stat. 1946, 2804
 Trinidad—
 Imp. Coll. trop. Agric. 1945 and 1946, 516, 1857
 and Tobago Dir. Agric. Administr. Rep. 1945, 1856
 Tucuman agric. Exp. Stat. 1942, 527
 Turrialba—see above, Inter-American
 Uganda Dep. Agric. 1944/45 II, 528
 Wädenswil—see above, Eidgenössische
 West of Scotland agric. Coll. 1944/45, 1861h
 Wisconsin agric. Exp. Stat. 1940/41, 1941/42, 1942/43, 1943/44 and 1944/45, 1111
- Ant(s)—
 for capsid control in cacao, 1714
 citrus pests affected by, 953a
 control, 961, 2183
 leaf-cutting, 1694
Antestia bug of coffee, 1102
Antheraea pernyi silkworm, 1927
Antholcus varinervis for piri-piri control, 508
 Anthocyanin pigments of plants, 1154a
Anthonomus—
 musculus, 2156
 pomorum—see Apple blossom weevil
 rubi, 2158, 2159
 signatus—see Strawberry weevil
 Antibiotics—see also individual sources—
 chemistry of fungal, 1395k
 function of, 168
 in higher plants, 1361
 in horticulture, 2195
 literature reviewed, 2229h
Antigastra spp., Sesamum pests, 2665o
Antirrhinum—see Snapdragon
Anuraphis—
 helichrysi, 2462h
 persicae-niger, 129
Aonidiella—
 aurantii—see Citrus red scale
 citrina, 953a
Aphelenchoides—
 fragariae, 339
 pests of ornamental plants, 348
 ritzema-bosi, 2437
 Aphid(s)—
 apple, 156, 2218
 bean, 1091
 black peach, 129
 cabbage, 275
 chrysanthemum, 156, 737
 on citrus, 2531
 control—
 in British Columbia, 2150
 by selenium, 323
 green peach—see *Myzus persicae*
 honeysuckle (*Rhopalosiphum conii*), 2434g
 on hop, 1846
- Aphid(s) (continued)—
 oat bird-cherry (*Rhopalosiphum*), 2229o
 ovidices, 2148
 pea, 739, 2286, 2427, 2428
 on potato, 793, 1412, 1443, 2249, 2283-2287
 squash root, 866
 strawberry, 661
 on tomato, 1608x
 walnut (*Chromaphis juglandicola*), 1334
 woolly—
 biological control, 1365
 and DDT, 136, 1330, 1332
- Aphis—
 brassicae, 275
 fabae, 1091
 idaei, a virus vector, 2096
 middletonii, 866
 pomi, 156, 2218
Aplanobacter (Corynebacterium) michiganense on tomato, 872, 873, 1102, 1574
- Apple—
 aphid, 156, 2218
 biennial bearing, 1993, 2807
 bitter pit, 2090
 blossom—
 frost damage to, 50, 107
 thinning by sprays—see also below, thinning—1214, 1980, 2807
 weevil, 701, 702, 2153-2155
 boron—
 concentration and NPK, 63
 deficiency, 106, 644, 645, 2071
 breeding, 1103, 1167, 1174, 1934, 2006d
 bridge grafting to reduce vigour, 1224
 brown core, 455
 brown rot (*Sclerotinia*), 666
 bud rot (*Fusarium lateritium* var. *fructigenum*), 634
 by-products, 2744
 canker, 669, 1941
 canning, 2721
 carbohydrate metabolism during development, 1021
 cider—see also below, varieties, cider—
 orchards, 1170, 1919, 1940, 1941, 2003
 by-products, 2724
 clover mite (*Bryobia praetiosa*), 709
 codling moth—see also Codling moth—
 708-714, 1096, 1350-1353, 1388, 1858, 2179
 colchicine treatment, 1167
 composition, 1176
 copper—
 deficiency, 643
 spray residue retention, 508
 cordons, 1918
 cover crops, 508, 2003
 crop failure, causes of, 2056
 curculio, 1344
 delayed foliation, 1159, 2087
 die-back, 508
Diplodia sarmentorum rot, 668
 dwarf pyramid, 1918
 essence, 1799, 2727
 espalier, 1976
 fire blight (*Erwinia amylovora*), 113
 flowering—
 induction of, 1222
 secondary, 2089
 frameworking, 1159
 frost resistance, 1094, 1161, 1934, 1935
 fruit—
 bagging, 69

Apple—fruit (continued)—
 drop, preharvest—
 abnormal season causes, 634
 control by spraying or dusting, 70-72, 610, 1159, 1225-1227, 1982-1984
 fly, 37
 fumigation—
 methyl bromide tolerance, 454
 for San José scale, 529
 fungicides—
 fauna affected by, 723
 penetration, 2798
 grafting, 1951
 grasshopper injury, 1395c
 green blotch, a low temperature injury (?) 2079
 growing—
 in England, 1156
 in India, 2794
 in Michigan, 1238k
 in New South Wales, 1921
 in the Okanagan Valley, 2
 in Oregon, 1238b, 1238f
 in Scotland, 1959
 in West Virginia, 1158
 injections to cure or diagnose mineral deficiencies, 2064-2066
 internal—
 cork, 645
 therapy, 2798
 iron deficiency, 2066
 irrigation, 1988
 juice—
 fortification, 2727
 nitrogen content, 27601
 production, 2726
 sedimentation prevented, 486b
 leaf—
 analysis, 63-65, 508, 1211
 colour standards, 1230
 drying, deficiency causes, 634
 efficiency, DDT does not affect, 147
 fertilizers and foliage sprays affect structure of, 145, 146
 roller, red-banded, 135
 spots on, 634
 maggot (*Rhagoletis pomonella*), 2161
 magnesium deficiency, 37, 508, 640, 1096, 1283
 manganese—
 deficiency, 641, 2066
 excessive, causes internal bark necrosis, 642
 manuring, 37, 64, 65, 601, 670, 1230, 1989-1992, 2001
 marketing in U.S.A., 73, 74a, 74c, 2006f, 2006g, 2006i
 maturity test, 1017, 1969
 mildew (*Podosphaera leucotricha*), organic acid in, 1103, 2707
 oyster shell scale (*Lepidosaphes ulmi*), 37, 723, 2144
 packing, 2666
 pear hybrids, 577
 pentaploid, 1167, 1169
 pest(s)—
 control, 2135
 in India, 685
Phyllosticta leaf spot, 634
 pink mould (*Trichothelium roseum*), 742
 pollen germination, 58, 587
 pollination, 1963-1965, 2807
 potash deficiency, 1233, 2064, 2066

Apple (continued)—
 pruning, 1094, 1217, 1918, 1974-1976
 pruning wound dressings, 68, 1974
 red bug (*Lygidea mendax*), 1335, 2143
 red spider, 690, 691, 1096, 1324-1326, 2138-2140, 2448
 ringing, 1222, 1223
 ripe-spot (*Neofabrea malicorticis*), 673
 ripening, 1989
 rootstocks—
 anchorage, 1192, 1195
 black root rot resistance, 1960
 breeding, 529, 1167
 Clark's Dwarf, 2791
 Crab—
 Chinese, 1958
 Manchurian, 1198, 1199
 Seedling, French, 508, 584, 1238j
 in Czechoslovakia, 586
 Double Vigour, 508
 Doucin Amélioré, 572
 East Malling (designated E.M. or M.), 56, 583-585, 1094, 1180, 1181, 1188-1192, 1197, 1291, 1918
 for fungicide testing, 2211
 hardy, 1199, 1200, 1958
 Hibernial, 1200
 in India, 2794
 intermediate, 1103
 propagation, 1185, 1186
 scion relationships, 582, 1222
 seedling, 1172, 1201
 Spy- 227, 1196
 stem builders, 37, 1199, 1200
 T-200, 1238j
 trials—
 at Beltsville, 1194
 in Sweden, 1168
 in West Virginia, 1193, 1960
 yield affected by, 2003
 San José scale—see also San José scale—573
 sawfly, 1096
 scab, 37, 152, 508, 670, 672, 742, 1103, 1315-1317, 1371, 1395e, 1846, 2107-2110, 2211
 scald, 645, 1760
 scorch, 1233
 seed, fruit setting hormone from, 595
 set and growth, 1238g
 shoots, morphological variation in, 1211
 slice firming, 2714
 soil organic matter content, 603, 1096
 spindle bush, 1218
 spray—
 injury, 1395e
 residue—
 arsenical, 166
 DDT, 736, 1385
 stem builders, 37, 1199, 1200
 storage—
 in Canada, 2785, 2800
 in clamps, 2675
 cold, 453, 1231
 frozen pack, 471, 2721
 gas, 1760
Gloeosporium album rot, 1018, 1757
 home, 1017
 metabolism, 1019-1021
 quality affected by—
 boron content, 645
 nitrogen manuring, 601
 ripening, emanations affect, 452
Penicillium expansum rot, 1018, 2674

Apple—storage (continued)—
 rots, orchard factors affecting, 1018
 scald control, 645, 1760
 Swedish trials, 1757
 varieties, particular, 1766a, 2676, 2677
 sucker (*Psylla*), 634, 2218
 thinning by sprays—see also above
 blossom—1213
 tetraploid, 1167
 training, 572, 1217
 tree borer, round-headed (*Saperda candida*), 130
 varieties—
 Belle de Boskoop, 2676
 Calville, 1231
 cider, 1170, 1171, 1940, 1941, 2706
 Cox's Orange Pippin, 1757, 1983
 Delicious, 1238j, 1766a, 1965
 Early Victoria, 56
 frost resistance, 1094, 1935
 Granny Smith, 2677
 for Hudson River Valley, 2798
 McIntosh, 1230
 Macoun, 1938
 for Quebec Province, 2800.
 Spy, 1207
 Taunton Cross, 1933
 Winesap, 1238j
 vitamin C content, 508, 529, 1047, 1175, 1723, 1939, 2706
 volatile substances, determination of 1022
 weather injuries, 2072
 "wither tip", copper deficiency causes 643
 woolly aphid control, 1330, 1332
 Apricot—
 bacterial wilt, 1311
 breeding, 1103
 brown rot, 1103, 1322
 chilling required in hot climate, 2087
 codling moth—see also Codling moth—1392, 1858, 2179
 dehydration, 1804
 dried, storage of, 1025-1027
 flooding injury, 110
 frost protection, 2077
 fruit—
 drop, 634
 growth estimation, 60
 growing in Victoria, Aust., 574
 gummosis, 677
 harvesting, 2785
 manuring, 1989
 pollination, 1963
 rootstocks, 1202
 varieties in France, 2006k
 Arboretums in North America, 1867
 Arching in fruit tree training, 1972
Arctium minus, source of bactericide, 750
 Arec palm, bud rot, 986
 Argentina—
 olive growing, 41
 plant protection, 99
 tung growing, 2557g
Umbelliferae, cultivation of, 1398
Argyresthia ephippiella, 529, 2165
 Arizona agric. Exp. Stat., A.R. 1945/46 2778
 Armenia, bacterial wilt of apricots, 1311
Armilaria mellea root rot, 361, 936, 1295 1296, 1650
 Artichoke, Jerusalem—
 alcohol from, 2746, 2747

Artichoke, Jerusalem (*continued*)—
yields, 2317
Artocarpus spp., 2665r
Arum, bacterial leaf spot, 960
Ascia monuste, biological control of, 516
Asclepias—
cytogenetics of, 843
syriaca, a rubber plant, 844, 895h
Ascochyta—
juglandis, 1296
pisi, 1096, 1588, 1596
Ascorbic acid—*see also* Vitamin C—
assay, 1041, 1066, 1067
biosynthesis, 1770
Asia, South-East, Manila hemp and oil
palm growing, 2572
Askham Bryan, nat. Inst. agric. Engng,
A.R. 1945/46, 520
Aslib, 1115
Asparagus—
beetles (*Crioceris* spp.), 737, 2134
canning, 1525
cutting season, 2381
fly, 266
growing—
in Holland, 2380
in New Zealand, 858
progeny tests, 1526
selection, 857
transplanting, 857
vitamin C content, 481
weed control, 1527
Aspergillus—
fumigatus, 994
niger on dates, 2550
Aspidiotus destructor, 2229b, 2644
Asplenium nidus—
bacterial leaf blight, 338
leaf nematode, 339
Aster—
diseases, 2462g
leaf curling plum aphid, 2462h
leaf hopper, a potato virus vector, 775,
776
seed storage, 182
wilt disease, 2775
yellows—
of various crops, 850, 1442, 2391,
2416, 2434u
vectors, 2434t, 2434w
weed host range, 2434e
Asragalus boeoticus, a green manure plant,
1238c
Atmosphere, internal, in plant organs, 2668
Atropa belladonna, 1495
Atta insularis, 961
Aulacarthum solani, a virus vector, 1091
Auricula, variations in, 1628b
Australia—*see also individual States*—
agricultural climatology, 31f
antibiotics in flora of, 663
citrus growing, 2557d
Fusarium wilt of tomato in, 878
horticulture in, 513
locust control in, 726, 750b, 750c
rubber production, 1496
South—
erosion control, 608
fungus diseases of fruit trees, 665
guayule growing, 243
Minist. Agric., A.R. 1943/44, 526
Queensland fruit fly in, 1665
vitamin C content of some fruits and
vegetables in, 2704

Auxin—*see* Growth substances
Avena coleoptile, 542, 1907i
Avocado—
bacterial rot (*Pseudomonas syringae*),
2555
breeding, 2552
decline (*Phytophthora cinnamomi*), 951,
1686, 2556
diseases, 1687
ethylene production, 1689i
grafting, 1689a
growing—
in Columbia, 1682
in Hawaii, 1689c, 2787
in New Zealand, 950
manuring, 1683
marketing, 1689o
mineral deficiencies, 2557c
pests, 1688, 1689f
pruning, 1684, 1689b, 2554
root—
hair development, 1685, 2553
regeneration, 1684
top-working, 1689e
varieties—
in California, 1679
Fuerte, 1689n
in Queensland, 1680
in Trinidad, 1856
wild, of Central America and Mexico,
1681
Avrosia translucens on hothouse plants, 902
Azalea fumigation, 1618
Azotobacter—
Gammexane does not affect, 2105
in kok saghyz, 842
Bacillus—
polymyxa on potatoes, 780
solaniperda, 2291
subtilis, rotting caused by, 11
Bacteria—
inoculations with plant-pathogenic, 1310
in plants, virulence of, 1306
Bacterial—
canker—*see also individual crops*—
of stone fruit, 114
manure, 7
spores—
spraying with suspension of, for pest
control, 2197
thermal death rate of, 2718
Bactericides—*see also individual sources*
and compounds—in Australian flora,
663
Bacteriosis of cabbage, slimy, 271
Bacterium—*see also Pseudomonas*—
armeniaca, 1311
aroidea on cabbage, 271
campestris, 1532
carotovorum, 180
lachrymans on melon and cucumber,
288, 291
manihotus n.sp. on cassava, 400
marginatum, 344
solanacearum, 1743, 2296
tumefaciens—*see* Crown gall
Bactris utilis palm for India, 431
Bael fruit (*Aegle marmelos*), 2469
Bagworm, 716, 2447
Balaninus nucum, 2129
Balsgård Fruit Breeding Station, A.R.
1945, 1167

Bamboo—
cultivation in U.S., 1672
cuttings, 955
Banana—
Bacterium solanacearum, 1743
breeding in Trinidad, 516
bunchy top disease, 1007
cigar-end disease (*Stachylium theobromae*), 2647
drying, 466, 467, 2715
dried, pests of, 468
growing—
in Belgian Congo, 957
in Cyrenaica, 1743
in Jamaica, 2665a
in Malaya, 1690
in New South Wales, 1005
at Tiquisata, Guatemala, 1745
hurricane damage, 1745
leaves, flower pots from, 1009
Metamasius weevils, 2665q
Mycosphaerella musicola leaf-spot, 436
Panama disease (*Fusarium oxysporum cubense*), 1006
pests, 439
research in Trinidad, 1857
root borer (*Cosmopolites sordidus*), 441,
516
Scirtothrips signipennis, 440
speckle (*Chloridium musae*), 437
squinter disease, 2648
stem-rot, 2649
storage—
cold, 1849
dips, 438, 1016
gas, 516, 2690
Thielaviopsis paradoxa, 443, 446
Trachysphaera fructigena, 1008, 2691
varieties in American tropics, 1742
vitamin C content, 481
yields, 1744
Barbados cherry (*Malpighia prunicifolia*),
vitamin C content, 1048
Basket worm—*see* Bagworm
Basutoland, Dep. Agric. A.R. 1945/46,
1861c
Bat damage to *Hevea*, 422
Batum botanical garden, 1669, 1868
Bean—
anthracnose, 887, 2417
aphid, 1091
aster-yellows, 2416
bacterial—
blight, 1584
inoculations with carborundum, 1585
beetle, Mexican, 740, 758, 759, 1696,
2422
breeding in Trinidad, 516
broad—
Ascochyta blight, 1588
Cercospora leaf spot, 1586
soil moisture and plant growth, 538
spotted wilt, 1587
varieties, 1580
Bruchidae on, 309
canned, vitamin B and C retention, 2709
chocolate spot (*Botrytis fabae*), 2418-
2421
colour reaction with guaiacol-hydrogen
peroxide, 2698
curly top, 1512, 1583
field, growing in New York, 302
fly (*Agromyza phaseoli*), 308, 1590
French, varieties for Tasmania, 883

Bean (*continued*)—

- gram, mottled, composition, 1582
 - greasy pod virus, 886
 - growing in South Africa, 2414
 - growth substance—
 - for blossom sprays, 304, 305
 - effect on, 539, 540, 885, 888
 - halo blight, 887
 - an indicator plant for iron deficiency, 103
 - kidney, 2414
 - kratok, HCN content, 2659
 - leafhopper control, 2417
 - leaf weevil, 2422
 - lima—
 - canning, 314
 - continuous cropping, 1581
 - Lygus* bug causes seed pitting, 306
 - storage, 464a
 - Lygus* bugs, 305, 306
 - manganese toxicity, 303
 - manuring, 1578
 - mosaic, 887
 - navy, growing in Queensland, 882
 - phyllody, a virus disease, 2416
 - potassium deficiency, 1989
 - root nodulation, DDT and 2,4-D depress, 1591
 - rust, 2419
 - seed—
 - certification in N.S.W., 1584
 - fly (*Choriphrila ciliatula*), 2423
 - hardness, inheritance of, 1579
 - storage, 302
 - snap—
 - storage, frozen pack, 1062
 - water soft rot (*Sclerotinia sclerotiorum*), 185
 - tonca, 1856
 - top necrosis, a virus disease, 2415
 - varieties—
 - in New Zealand, 884
 - preferences of beet leafhopper, 1512
 - weevil, 307, 529, 887, 1589, 1592
 - yam, source of insecticide, 1696
- Bearberry, a tea substitute, 2017
- Bee(s)—
- and DDT, 2227, 2228
 - keeping, 521
 - poisoning by smoke gases, 1238i
 - and pollination, 57
 - toxicity of insecticides to, 1374
- Beet—
- Phoma betae*, 849
 - silver, 864
- Beetle—*see* Colorado beetle, Flea beetle, etc.
- Beetroot—
- copper deficiency, 565
 - salt respiration, 2434s
- Begonia—
- cuttings, 1614
 - Oidium* on, 2460
 - propagation from leaf sets, 2775
- Belgian Congo—
- agriculture, 500
 - banana growing, 957
 - cacao growing, 957, 1714
 - citrus growing, 1632
 - coffee growing, 957, 2588, 2589
 - fruit growing, 2763
 - geranium oil production, 1816
 - Hevea* growing, 957
 - Laeken Colonial Garden, at Brussels, for, 394

Belgian Congo (*continued*)—

- oil—
 - palm, 957, 1000
 - seed plants, 1725
 - temperature in the, 2559
- Belgium—
 - codling moth life cycle, 1349
 - fruit growing, 2006m
 - hop growing, 2341
 - pear growing, 39
 - plant associations, 9
 - seed potato growing, 1443
 - spray calendar, 1368
 - strawberry propagation, 1253
- Berberis oblonga*, 46
- Bermuda—
 - Dep. Agric. A.R. 1946, 1861d
 - Report of Plant Pathologist 1946, 1845
 - Bibliography of Agriculture, 2806
- Biennial bearing—
 - apple, 1993, 2807
 - coffee, 1710
- Biological control—
 - of insect pests—*see* Pest control,
 - biological
 - of weeds, 508, 516
- Bird's nest fern (*Asplenium nidus*)—
 - bacterial leaf blight, 338
 - leaf nematode (*Aphelenchoides fragariae*), 339
- Bitumen paint for pot sand cultures, 2060
- Bixa orellana*, a dye plant, 2610
- Black beetle (*Heteronychus sanctaehelenae*) in N.S.W., 133
- Blackberry—
 - blossom, growth substance treatment of, 78
 - control in Australia, 720
 - pruning, 1013
 - raspberry-loganberry cross, 2012
 - selection, 98c
 - strawberry rhynchites, 2157
 - varieties—
 - Cascade, 1240
 - Pacific, 1240
 - for tropics, 2805
- Black currant—*see also* Currant—
 - certification in England, 1244
 - manuring, 2016
 - varieties, Long Ashton-bred, 1933
 - vitamin C retention of syrup, 1800, 2779
- Blennocampa pusilla*, 2462i
- Blewit culture, 2430
- Bluebell, nutritional and light requirements, 1133
- Blueberry—
 - Actinomyces* galls, 2104
 - breeding, 79
 - cranberry—
 - blossom weevil, 2156
 - fruit worm, 1356
 - cuttings, 81, 1250
 - growing—
 - in Belgium, 1246
 - in Holland, 1247
 - in Nova Scotia, 614
 - manuring, 1249
 - mummy berry disease (*Monilia*), 120
 - transplanting, sphagnum for, 80
 - variety identification, 1248
- Boehmeria nivea*—*see* Ramie
- Boiler efficiency, 1907e
- Bonnier and Mangin gas-analysis apparatus, 1154g

Boron—

- analysis, 63
 - content—
 - of monocotyledons and dicotyledons, 1893
 - of potato, 196
 - deficiency—
 - in apple, 106, 644, 645, 2071
 - in cauliflower, 274
 - in citrus rootstocks, 930
 - in deciduous fruit, 101
 - in grapefruit, 2512
 - in sweet potato, 2542
 - in tomatoes, 509
 - in vine, 101
 - distribution in tobacco plant, 2434b
 - manuring, 187, 1132
 - role of, 63
 - uptake in pecans, 98a
- Botanic garden(s)—
- Batum, 1669, 1868
 - Kew, 1866
 - in North America, 1867
 - in the Tadzik S.S.R., 5
- Botany, a textbook of, 497
- Botryodiplodia theobromae*, 994
- Botrytis—
- cinerea—
 - on bean, 2421
 - on cobnut, 2129
 - control, 209, 2212
 - on vine, 1103, 2125
 - fabae*, 2418-2421
 - tulipae*, 2453, 2458
- Bouvardia, maintaining parent plants, 2775
- Boysenberry, potash content of leaf, 1242
- Bracken control, 1358
- Brassica—
- chinensis*, 1530
 - hybrid vigour in, 1530
 - juncea*, 1528, 1530
 - pekinensis*, 273
 - pollen grain sizes in, 1529
 - seed crops, *Alternaria oleracea* in, 1533
- Brazil—
- pineapple growing, 443
 - sweet potato growing, 365
 - table grape growing, 622
 - wattle growing, 242
- Breadfruit, 2665r
- Breeding—
- apples, 1103, 1167, 1174, 1934, 2006d
 - apple rootstocks, 1167
 - apricots, 1103
 - avocado, 2552
 - bananas, 516
 - beans, 516
 - blueberry, 79
 - cabbage, 267, 8951
 - castor bean, 239
 - cherries, 1101, 1103
 - citrus, 2463
 - cloves, 2558
 - cucumbers, 290, 320c
 - cyclamen, 919e
 - derris, 2558
 - flax, 206
 - gooseberries, 1934
 - guava, 2805
 - intergeneric hybridization in plant, 533
 - kok saghyz, 837, 1096
 - melons, 320s, 1552
 - mint, 830
 - pea, 1105

SUBJECT INDEX

- reeding (continued)—
 peaches, 51, 578
 pears, 579, 1103
 pear rootstocks, 1167
 plums, 1934
 potatoes, 192, 1608o, 1934, 2254, 2258
 rootstocks for frost resistance, 649
 small fruit, 1240
 soybeans, 310
 Station, Plant, Moscow, 1105
 strawberries, 83, 529, 1320
 tobacco, 817, 2331
 tomatoes, 447-450, 877, 1101
 tung, 1668
 vegetables, 2230
 vine, 529, 623, 2030, 2031
 wattle, 241
Levicosyrne brassicae, 275
 British Columbia—
 aphid control, 2150
 Climate Report 1944 and 1945, 531a
 Dep. Agric. A.R. 1942, 1943, 1944 and 1945, 504
 Dep. Agric. Statistics Report 1942, 1943, 1944 and 1945, 505, 1112a
 British Empire, oil production of, 1084b
 British Honduras, Dep. Agric. A.R. 1945, 1861e
 British insects and other pests, common names of, 1323
 roccoli—
 growing in the U.S., 1537
 vitamin—
 A and C content, 1540
 C retention of stored, 1052
 whiptail, 861
Ruchidae on beans and peas, 309
ruchus—
obtectus—see Bean weevil
pisorum, 2134
 rush-removing machinery, 1915
Ryobia praetiosa, 709, 1326
Ryophyllum calycinum, 1878
 ud(s)—
 adventitious and dormant, terms defined, 537
 development, growth substances affect, 1883
 dormancy breaking of, 558
 dormant, transplanting after working with, 580
 udding—
 citrus, 1639, 2481
 coffee, 972, 2591
 fruit trees, 1950
Hevea, 420
 methods, 2006n, 2631
 uitenzorg Exp. Stat. Rep. 1942/43, 1942-45, 506, 507
 ulb—
 diseases and pests, 2457
 growing—
 in Holland, 2454
 in Lincolnshire, 1621, 2453
 machinery, improvement of, 1096
 ulgaria, hazel nut varieties, 2051
 ush berry growing in California, 2007
 utternut (*Cucurbita moschata*), 2697
 utternut (*Juglans cinerea*)—
 germination, 93
 virus disease, 662
Yssochlamys fulva, heat resistance, 2719
Butyrospermum parkii, an African oil tree, 2638
Buxus sempervirens cuttings, 1614
 Cabbage—
 bacteriosis, slimy (*Bacterium aroideae*), 271
 black leg (*Phoma lingam*), 863, 1532
 black rot (*Bacterium campestris*), 863, 1532
 breeding, 267, 8951
 broomrape (*Orobancha*) on, 1403
Ceuthorrhynchus spp. on, 2384
 Chinese, 273, 1528
 dehydrated, storage, 1053
 dehydration, 1777, 1778
 diamond back moth (*Plutella maculipennis*), 272, 717, 737, 1535
 disease control, 1532
 downy mildew, 2383
 growing in the U.S., 1531
 harvesting of experimental crops, 270
Hellula phidilealis control, 1856
 internal breakdown, excessive nitrogen causes, 320u
 leaf cuttings, 268
 manuring, 269
 mosaic, 2382
 pest control, 529
 ring spot (*Mycosphaerella brassicicola*), 2382
 root fly (*Hylemyia*), 2391
 seed—
 disinfection, 183, 2235
 production, 267, 862, 2382, 2780
 stalk rot (*Sclerotinia sclerotiorum*), 2382
 stem weevil, 1534
 storage, 461, 1053
 varieties—
 temperature affects yield, 860
 trials in Mississippi, 320h
 vitamin C—
 content, 859, 1052, 1778
 retention in processing or cooking, 1052, 1777, 1778
 worm—
 species of, 2385
 tropical (*Ascia monuste*), 516
 yellows, 1532
 Cacao—
 beans, fat extraction from, 2743
Calonectria rigidiuscula fungus, 1720
 capsid, 411, 1714, 1720
 chromosome numbers in, 412
 clones, Trinidad trials, 516, 1856
 cuttings, 955
 die-back (*Phytophthora palmivora*), 1720
 growing—
 in Belgian Congo, 957, 1714, 1715
 in Colombia, 1713
 in Ivory Coast, 411
 introduction to West Africa, 410
 leaf shape, mineral deficiencies affect, 1717
 manuring, 1715, 2607
 mineral deficiencies, 1717
 mosaic and mottling, 980, 981
 pests, 516
 pink disease (*Corticium salmonicolor*), 1856
 planting, 979
 pollination, controlled, 413
 powder, particle size, 1394, 1395m
 a review, 2701
 Cacao (continued)—
 shade trees, 979, 1715
 shading of roots, 978
 swollen shoot, 411, 514, 1718
 vein-clearing virus, 1719
 wilt, 1716
 witches' broom, 516, 1721, 1856, 1857
 Cactus control, biological, 2780
Caedicia simplex on peach, 699
Caesalpinioideae as oil plants, 1073
Calandra oryzae, 735
 Calcium—see also particular crops—
 deficiency in potato, 2273, 2274
 California—
 bush berry growing, 2007
 cherry growing, 1923
 citrus growing, 2465, 2497
 fruit growing, 1908
 grape and raisin growing, 2026
 Marsh grapefruit rootstocks, 2486
 olive growing, 1928
 Calla—
 pink, 2461
 yellow, *Corticium solani* seedling disease, 346
Calocasia antiquorum, bacterial leaf-spot, 960
 Camellia—
 growing in Great Britain, 911
japonica cuttings, 1614
reticulata, 2443
 Campden Fruit and Vegetable Preservation Res. Stat. A.R. 1946, 2779
 Camphor—
 manganese deficiency, 2548
 production in East Africa, 2776
 Canada—
 arboretums and botanical gardens, 1867
 flax seed growing, 205
 fruit—
 growing, 32, 43
 and vegetable harvesting and marketing, 2006c
 Minister of Agriculture, A.R. 1945/46, 1096
 National Research Council, A.R. 1945/46 and 1946/47, 531b, 2808b
 ornamental herbaceous perennials, 1609
 seed potato growing, 769
 sunflower and miscellaneous crops, 174
 vegetable growing, 32
 vitamin C content of fruits and vegetables, 1776
Canavalia ensiformis and *C. gladiata* growing in Belgian Congo, 451
 Cane fruit, diseases and pests, 1345u
 Canned vegetables, microbiology of, 1070
 Canning—see also individual crops—
 botulism, 1795
 citrus—
 fruit, 1792
 juice, 1040
 corrosion of cans, 2720
 fruit and vegetables, 1795, 2717, 2719, 2760c, 2785
 pH value in, 1795
 quality evaluation, 1821d
 small fruit, 2779
 tin determination in foods, 1071
 vegetables, 1070, 1795, 2717, 2760c
 Cantaloupe—
 downy mildew, 756, 1558
 powdery mildew, 2398

SUBJECT INDEX

Capacitor for preserving raw fruit and vegetables, 1031
Capitophorus fragariae, 661
Capnodis tenebrionis, 1341
Capsicum—see also Pepper, red—
frutescens, 832
Capua reticulana, 2162
Carabid beetles, DDT kills beneficial, 2132
Carbon disulphide vapour movement in soil, 2229k
Carborundum in infection experiments, 1585
Cardamom seedlings, the raising of, 982
Carica—
papaya—see also Papaya—papain extraction, 1081
spp., cytology, 948
Carissaeae, latex from, 954
Carnation(s)—
Alternaria blight, 322
cuttings, 2775
growing on Côte d'Azur, 2462b
old, 919b
pest control by selenium, 323, 2433, 2439
Phialophora wilt disease, 2775
soilless culture, 1901
thrips, 903, 904
tortrix moth, 904
trials at Urbana, 321
Carrot—
for Belgian Congo, 426
selection, 2547
water balance, 591
Carotyl's tissue testing method, 508
Carotene content—see individual crops
Carpocapsa pomonella—see Codling moth
Carpometry of fruit and forest trees, 600
Carrot—
aster yellows, 850
carotene—
assay, 1058
content, 1054, 1540
dehydrated, vitamin C content, 1057
dehydration, 1068
fly, 259, 260, 2372
pests, 851
ploughing depth affects growth, 511
seed disinfection, 183, 2235
storage, 1096, 1432
vitamin C content, 1540, 1776
weed control, 184, 261, 262, 1513, 2371
Carthamus tinctorius, 2357
Cashew nut (*Anacardium occidentale*), 999, 1015d, 1078, 1099
Cassava—
diseases, 400
mosaic, 2067
origin, 1702
Castor bean—
breeding, 239
diseases, 1492
photoperiodic reaction, 2356
Catalase activity in leaf tissue, 16
Cathode—
layer arc method, 553, 568c, 1104
lighting for rooting cuttings and germinating seed, 1616
Cattleya sp., bacterial leaf spot, 336
Caucasus—
medicinal plants, 1493
pears, 1173
Cauliflower—
boron deficiency, 274
downy mildew, 2386, 2387

Cauliflower (continued)—
growing—
in Tuscany, 895b
in the U.S., 1537
Helicella phidalealis control, 1856
manuring, 2238
seed—
crop pests, 275
production in Sweden, 1539
transplanting, 2238
varieties in Holland, 1538
whiptail, 861
Cawthron Inst., A.R. 1945/46, 508
Ceara, a rubber plant, 2776
Celery—
Cercospora blight, 283, 756
growing—
in N.S.W., 1608d
in Tasmania, 2392
leaf-spot (*Septoria apii*), 2393
mosaic, 2434f
ring-spot virus, poison-hemlock, 2434h
yellow-spot virus, 2434g
Cerasus erythracarpus, 46
Ceratitis capitata, Mediterranean fruit fly, 2160, 2787
Cerantonis siliqua—see Carob
Ceratostomella paradoxa, pineapple disease, 2656
Cercospora—
apii, 283, 756
concolor on potato, 791
fabae, 1586
henningsii and *C. caribea* on cassava, 400
Cereals, growth substances as herbicides for, 722
Ceresa bubalus, 700
Ceroplastes sinensis, 940
Ceuthorrhynchus—
pleurostigma, 1534
quadridentis, 1534
spp. on cabbage, 2384
Ceylon—
coconut growing, 433-435, 1741, 2642, 2645, 2646
coffee growing, 2603
Dir. Agric. Administ. Rep. 1945 and 1946, 2780
mango growing, 425
Rubber Res. Bd. Rep. 1945, 1097
Tea Res. Inst., A.R. 1945, 1098
Chaetodacus—
ferrugineus on sub-tropical fruit, 952
tryoni in S. Australia, 1665
Chamaenerium angustifolium, a tea substitute, 231
Chenopodiaceae, alkaloid accumulation in, 1494
Chenopodium album as a cover crop, 2002
Cherimoyer, 1734, 2625, 2665e, 2794
Cherry—
anthracnose, 674
aphis, oat bird- (*Rhopalosiphum*), 2229o
bacterial canker, 1395j, 1947
blossom wilt (*Sclerotinia*), 1947
breeding, 1101, 1103
canker, black, 2095
case bearer, 2173
Clasterosporium carophilum, 1103
cracking, 1284
Cylindrosporium padi leaf spot, 634
diseases, 2103
frost resistance, 1200, 1935

Cherry (continued)—
fruit—
moth (*Argyresthia*), 529, 2165
size, oil emulsions increase, 2220
grafting, 1954
growing—
in California, 1923
in Holland, 66
in Missouri, 74e
soil profile in relation to, 66
in Switzerland, 589, 590
harvest, temperature sum allows prediction of date, 589, 590
juice, thiourea stabilizes, 529
laurel, respiration, 1619
leaf-spot (*Coccomyces hiemalis*), 152, 675
"little cherry" virus disease, 660, 1846
mineral deficiencies in, 637
mottle, rusty, 1302
necrotic ring-spot virus, 657-659
perennial ground, winter host of potato viruses, 895f
pinto leaf disease (*Marmor pintoefolium*), 656
pollination, 1963, 1964
powdery mildew, 2113
red spider, 2448
ring-spot virus—see also above, necrotic—1852
rootstocks, 1202, 1203, 1958
"small bitter cherry", 2091
storage, 2683
varieties—
Bing, 2091
Merton, 1946, 1947
viruses, 656-660
vitamin C content, 1774
yellows, 657, 658, 1852
Cheshunt exp. Res. Stat. A.R. 1945, 509
Chestnut(s)—
blight (*Endothia parasitica*), 682
in France, 2055f
growing in Portugal, 630, 632
ink disease (*Phytophthora cambivora*), 630, 632
storage, 2685
varieties, Longal and Judia, 631
Chicory—
drying, 1787
forcing, 2394
Chile, tobacco damping-off, 2336
Chilocorus nigritus, a parasite of *Hemiberlesia simplex*, 804
Chimaera, plant, 1861a
China, *Cercospora* leaf-spot of broad beans, 1586
Chloridium musae, 437
Chlorophyll—
accumulation in *Perilla ocymoides*, 258
copper increases, 1137
Chlorosis—
in grapefruit, 1646
in limes, 514
lime-induced—
of fruit trees, 2069
of vine, 2070
zinc-induced, in tomatoes, 1572
Chondrilla juncea control, 750m
Chortioetes terminifera, 167, 726, 750c
Chortophila—
antigua, 265
ciliocera, 2423
Chromaphis juglandicola, 1334

- rysanthemum—
aphid (*Rhopalosiphum rufomaculatum*), 737
charm-, 905
culture, 1825, 1844
gall midge, 2440
hot water treatment for eelworm, 2437
pest control—
 general, 906
 by selenium, 323, 2439
thrips, 737
variety trials at Aalsmeer, 2775
Thrysolina spp. for St. John's Wort control, 508
nutneys, keeping quality, 2754
Libinia carunculoides on mulberry, 122
sider—see also Apple, cider—
 analysis, 1171
 industry, by-products, 2724
 making, 2760d, 2760 l
 microbiology, 2760 e
cigarette beetle (*Lasioderma serricorne*), 1486
inchona—
 alkaloid—
 content, 989, 2612
 determination, 1754b
 cuttings, 1616, 1728, 2613, 2615, 2780
 frame-working, 2780
 grafting, 2541, 2614
 growing—
 in East Africa, 2776
 in French West Africa, 2611
 in Uganda, 1727
pests, 1729
temperature influence on growth and alkaloid content, 2612
ineraria—
 leaf curl, 1613
 leaf miner (*Phytomyza atricornis*), 333
 innamom oils, 1079, 1817
 innamomum camphora, 2776
 itrus—see also particular citrus fruits—
 ambrosia beetle (*Platypus compositus*), 939
 American bollworm, 2531
 ants—
 leaf-cutting, 1694
 scale infestations affected by, 953a
 aphids, 2531
 Armillaria root rot control, 361, 936, 1650
 bark injury from kerosene spray, 1656
 black spot (*Phoma citricarpa*), 2530
 blast (*Pseudomonas syringae*), 940
 breeding, 2463
 bronze orange bug (*Rhoecocoris sulci-ventris*), 2534
 brown rot, 940, 2529
 budding, 1639, 2481
 "burnt leaf", potash deficiency causes, 1645
 canning—
 juice, 1040
 waste disposal, 1792
 cetonid (*Oxythryea* spp.) control, 2536
 chlorosis, 2778
 coccid pests, biological control of, 1365
 codling moth, false, 2531
 collection at Villa Thuret, Provence, 2464
 concentrates, preservation of, 1042
 cover crops, 2500, 2778
Citrus—see also particular citrus fruits (continued)—
 cuttings, 1616
 defoliation, 2516
 Far-Eastern species, 2471
 flower formation, ringing induces, 2489
 foliar analysis, 1849
 frost—
 protection, 2078
 resistance, correction of mineral deficiencies increases, 2516
 fruit—
 colouring, 2557k
 fly, 2531
 granulation in, 2479
 maturity test, 1969
 phosphatase, 2734
 rots (*Penicillium* spp.), 360
 growing—
 in Australia, 920, 2557d
 in Belgian Congo, 1632
 in Chile, 353
 in France, 2464
 in Georgia, U.S.S.R., 354
 history of, 350, 351
 in India, 2789
 in Indo-China, 2470
 in the lower Rio Grande Valley, Texas, 1631, 1658
 in Morocco, 1630, 2557a
 in North Africa, 498, 2471, 2473
 in Palestine, 921
 in Senegal, 2472
 in Sicily, 922
 in South Africa, 1640
 throughout the world, 2770
 harvesting, 2557e
 intercropped with passion vine, 2476
 irrigation, 1644, 2477, 2478
 juice—
 alkaline ash content, 486d
 canning, 1040
 colour, 2557h
 composition, 2501
 concentrates, 1042
 lipid and carotinoid determination, 1045
 storage, frozen pack, 2539
 leaf stomata penetrated by oil sprays, 2493
 magnesium deficiency, 1642
 manganese deficiency, 2548
 manuring, 928, 1238c, 1629, 1640, 1641, 1849, 2497-2500, 2502, 2505, 2516
 Magori mite, 937
 mealy bug, 2531
 melanose, 2557p
 mineral deficiencies, 1640
 mite control, 1689j, 2532, 2557n
 molasses, 2753
 moth (*Achaea* spp.), 1855
 mulching, 2500
 nematodes, 2535
 oil sprays, solid content related to timing of, 2557m
 peel, organic acids and buffer properties of, 1805
 Phytophthora root rot, 1637
 potash deficiency, 1645
 processing, 2702, 2703
 pruning, 931, 1643
 psorosis, 1648, 2524, 2525
 quick decline, 2488, 2517-2523
 ringing, 2489
Citrus—see also particular citrus fruits (continued)—
 rootstocks—
 boron deficiency, 930
 disease resistant, 2484
 in Jamaica, 2480
 in Java, 2521
 "khatti", 924
 in North Africa from Far East, 2471
 rough lemon, 2482
 -rcion influence, 1636
 root systems, 2483
 seedling, raising of, 2488
 sour orange, 527, 1856, 2488
 trifoliata, 1637
 in Trinidad, 2481
 scale—
 hard wax (*Ceroplastes sinensis*), 940
 insect(s)—
 in Argentina, 1652
 control, 2531, 2538, 2557 l, 2557 o
 in New Zealand, 938
 in Sierra Leone, 1855
 purple (*Lepidosaphes beekii*), 353, 1855
 red, 353, 1652-1656, 2533
 seedling identification, 1635, 2485
 snail control, 363
 soil management in Lower Rio Grande Valley, 1658
 spraying, 362, 1656, 2505
 squash, fruit pulp in, 1039
 stem end rot, 2526-2528
 storage—
 frozen pack, 2712
 general, 2686, 2688, 2784
 suhuiensis, a rootstock, 2471
 taxonomy, 2470
 thrips control, 2531
 tree height estimation, 1689p
 tristeza disease, 1196, 2488, 2518, 2522, 2523
 varieties for California, 2465
 vein-yellowing, 953c
 Verticillium albo-atrum in (?), 934
 vesicle constituents, 1638
 weed control, 2778
Cladosporium—
 cucumerinum, 289
 musae sp. nov., 437
Clasterosporium carpophilum, 634, 1103
Clavatin (from *Aspergillus clavatus*) for plant disease control, 509
Clematis—
 as a garden plant, 919d
 orientalis, salt resistance of, 909
 Climatology in Australia, agricultural, 31f
 Climbers in north-eastern U.S.A. and Great Britain, 494
Cloche cropping, continuous, 753, 2232
Clove—
 breeding, 2558
 cuttings, 983
Club root—see also particular crops—
 resistance and acidic phenolic fractions, 1515
Cobalt uptake by plants, 1104
Cobnut—see also Filbert and Hazel—
 Monilia and Botrytis, 2129
 nut weevil (*Balaninus nucum*), 2129
Coccomyces himialis, 675
Coccus hesperidum on citrus, 953a
Cochylis ambiguella—see Vine, cochylis
Cockchafer control, 704-706, 823, 824

Coconut—
bronze leaf wilt, now "Unknown disease" 1849
caterpillar, 2780
Diocalandra taiensis pest, 2665g
growing—
in Ceylon, 433-435, 1741, 2642, 2645, 2646
in Costa Rica, 1015c
on Tanga coast, 1002
manganese deficiency, 2548
manuring, 435, 1003, 1004, 2643
pests, 2644
selection, 2641
shell, industrial uses of, 1821b
soil conservation, 26651
Codling moth—see also Apple, etc.,
codling moth—
control—
biological, 1354, 2198
by DDT, 135, 136, 708-711, 2171
by Gammexane, 709, 710, 737
general, 750w, 750x, 1159, 2166, 2169
by lead arsenate, 2170
in three-brooded area, 135
life cycle, 1349, 2167
Coffea eugenioides, seed analysis, 2705
Coffee—
Antestia bug, 1102
berry disease (*Colletotrichum coffeanum*), 1102
biennial bearing, 1711
budding, 972, 2591
clones, 1110
cuttings, 955, 969, 970, 973
die-back, physiological, 1102
diseases, 2602, 2603
Elgon die-back resistance, quality not affected by, 2587
essence manufacture, 1806
flower abortion caused by *Volumnus obscurus*, 2604
flowering and fruiting related to rainfall, 408, 2589
fruit drop, 976, 1102
grafting, 974
growing—
in Belgian Congo, 957, 2588, 2589
in Dominican Republic, 407
in El Salvador, 1712
in French colonies, 2586
in India, 967
in Jamaica, 975
in Kenya, 967, 2600
on Kilimanjaro, 968
in Puerto Rico, 409
in Uganda, 528, 1710
in Venezuela, 406
growth cycles, 967
improvement in Netherlands East Indies, 2592
irrigation, 1110
manuring, 2598, 2599
mealy bug (*Pseudococcus kenya*), 1102, 2606
mulching, 409, 977, 1102, 1110
nicotinic acid content, 1064
pests and diseases, 971
planting, 975, 1102, 1110, 2596
preparation, 2587
pruning, 975, 1110, 2589, 2590, 2597
rehabilitation in Jamaica, 2595
seed, 2594, 2705
seedlings, hardening of, 969

Coffee (continued)—
shade—
benefits quality, 2587
trees for, 407
shot-hole borer (*Xyleborus morstatti*), 2593
storage, 2587
thrips, 1102
weed control, 956
wild and cultivated, a world survey, 2665d
yellowing, 2601
yields, 1711
Cola spp., source of alkaloids, 418
Colchicine—
autotetraploids produced by, 1611
mutations induced by, 10
treatment—
of apple, 1167
of hazel seeds, 1167
of onion, 1518
of papaya, 390
of seed, 552
of watercress, 1551
Cold injury to hothouse plants, 901
Cole crops, pests of, 1603 l
Coleophora pruniella, 2173
Coleus tuberosus, a tropical vegetable, 2661
Collard, vitamin A and C content, 1540
Colletotrichum—
coffeanum, 1102
gloeosporioides, 1736
lilii, 1625
lindemuthianum, 887
linicola, 208, 209
phomoides, 875
pisi, 791
solanicum, 791
spinaciae, 791
Colombia—
cacao growing, 1713
cherimoyers of, 2665e
Ficus in, 1015b
Colorado beetle (*Leptinotarsa decemlineata*) control, 159, 1380, 1459, 1608c, 2249, 2258, 2304-2312
in Germany, 1366
in Italy, 796
in Jersey, 1458
and Polish potato varieties, 797
soil affects distribution of, 2313
Comoro Islands, sisal growing, 2665k
Compost—see also particular crops—
bacterial ammonia production in fresh grass, 566
decomposition, 567
from grass cuttings, 1104
preparation—
in Dutch East Indies, 1693
in Malaya, 1747
from water hyacinth, 1894
Congo, Belgian—see Belgian Congo
Connecticut Valley, vegetable production, 2434o
Conotrachelus nenuphar—see Plum curculio and Peach, plum curculio
"Contact effect" in absorption of nutrients, 1121, 1122
Copidosoma koehleri, a parasite of potato tuber worm, 1845
Copper—
chlorophyll content increased by, 1137, 1139

Copper (continued)—
deficiency—
in apple, 643
in beetroot, 565
in deciduous fruit, 101, 104, 105
in vine, 104
fertilizers, 565, 1132
respiration affected by, 1138
Cordon trees, 1918
Cordeauxia edulis, 1726
Cordia macrostachya, biological control of, 516
Cornwall, vegetable growing, 1397
Corticium—
salmonicolor, 1856, 2622
solani, 346
Corynebacterium (*Phytomonas*)—
michiganense—see *Aplanobacter*—
sepedonicum, 779, 1096, 1445, 1447, 1448, 2292, 2293
Corynespora disease of cucumber, 895d
Cosmopolites sordidus, 441, 516
Cotinus coggygria, a source of tannin, 1082
Cotoneaster acutifolia, a pear rootstock, 1167
Couch grass produces antibiotic, 1836
Couma, rubber and fruits from, 954
Coumarin, a herbicide, 1364
Court noué—see Vine, court noué
Cover crops—
apple, 508, 2003
citrus, 2500, 2778
orchard, 2002, 2005
peach, 605, 606, 2000, 2004
tung, 386
Crab apple—see Apple rootstocks, crab
Cranberry—
fruit worm, 1356
growing—
in Belgium, 1246
in Holland, 1247
weevil, 2156
Crassulaceae, metabolism of, 1878
Crataegus—
pontica, 46
spp. as pear rootstocks, 1167
Crematogaster sp. for cacao capsid control, 1714
Creosote, toxicity of, 1411
Cress seedlings, toxic action of amino acids and amines to, 1882
Crioceris asparagi and *C. duodecimnotata*, 737, 2134
Cronartium ribicola, 1245
Crotalaria—
intermedia, a cover crop of tung, 386
spp., root nodule bacteria, 313
Crown gall (*Bacterium tumefaciens*)—
antibiotics against, 2196
and growth substances, 1151, 1307, 1887
of sunflower, 1309
thermal studies, 1308
wilting caused by bacterial filtrate, 2409
Crucifer roots, club root resistance, 1515
Cryopeltis varians on tomato, 1576
Cryptospora viticola, 2124
Cryptostegia—
grandiflora, 993, 1100
spp., fruit production in, 1511
Cryptus sexannulatus, a codling moth parasite, 2198
Crystal Springs Truck Crops Branch Station, Miss., 519

- uba, arboreturns and botanical gardens, 1867
 cucumber—
Bacillus subtilis causes rotting of pickled, 11
 bacteriosis, 291
 biological value of grasshouse, 1051
 bottling, 2751
 breeding for mildew resistance, 290, 320c
Corynespora disease, 895d
Diaphania spp., control of, 1856
 downy mildew, 757, 1558, 2242, 2399, 2400
Fusarium diseases, 1557
 growing in Queensland, 1556
 gummosis (*Cladosporium cucumerinum*), 289
 hybrid, 1399
 mosaic, 2402
 powdery mildew, 757, 2399, 2400
 seed disinfection, 183, 2235
 storage life, melon emanations reduce, 458
 varieties, response to DDT, 1559
Verticillium wilt, 509
Cucumis melo var. *inodorus*, 288
Cucumis virus, 2402
 Cucurbit pests, 292
Cucurbitaceae—
 Indian, 2660
 pedicel and fruit growth, 1555
 curare estimation, 1395g
 Currant—see also Black currant and Red currant—
 fruit fly (*Epochra canadensis*), 134
 golden, bacterial spot (*Pseudomonas ribicola*), 912
 polyporose (*Xanthochrous ribis*), 678
 shoot borer (*Uncurvaria capitella*), 138
 spray residue, 2779
 varieties—
 in Poland, 1245
 in Switzerland, 2015
Cuscuta, virus transmission studies, 654, 655, 2093, 2333
 Custard apple—see Cherimoyer
 Cuttings—see also particular crops—
 cathode lighting favours rooting, 1616
 of forest trees, 54
 growth substance treatment—see Growth substances, cuttings
 leaf function in the rooting of, 1889
 light affects root formation of hothouse plant, 1614
 root, of fruit trees, 1186
 cyclamen—
 improvement, 2455
persicum, 919e
Cydia—
molesta, 2163
pomonella—see Codling moth
Cylindrosporium padi on cherry, 634
Cymbopogon spp., essential oil from, 414
 1818
Cyperus esculentus and *C. rotundus*, 964
 Cyprus, potato growing, 2250
 Cyrenaica, banana growing, 1743
 Cytological technique, 1126
 Czechoslovakia—
 grape growing, 2027
 loofah growing, 867
Dactylopius tomentosus for *Opuntia* control, 2780
Dacus—
cucurbitae, 2787
dorsalis, 2787
oleae, 1347
 spp. on granadilla, 1348
 Daffodil—
 experiments at Kirton, 2453
 year book, 1091
 Damping off—see particular crops
 Dandelion control, 918
Daphne cneorum, flowering of, 331
 Dartonfield Estate, Ceylon, *Hevea* field experiments, 420
 Darwinism, Lysenko's opinions on, disputed, 534
 Date—
 fruit spoilage by fungi and insects, 2550
 growing in French Somaliland, 2557b
 manganese deficiency, 2548
 pollen, oestrogenic substance in, 1689g
Sprendonema epizoum on, 2549
Datura stramonium—
 control, 1102
 as rootstock for tomato, 1570
 DDT—see Sprays, DDT
 Deficiency—
 boron—see Boron deficiency
 calcium, 2273, 2274
 copper, 101, 104, 105, 565, 643
 iron—see Iron deficiency
 magnesium—see Magnesium deficiency
 manganese, 509, 641, 2066, 2548
 mineral—
 in agricultural crops, 102
 in avocado, 2557c
 in cacao, 1717
 in cherry, 637
 in citrus, 1640
 diagnosis of, 102, 635, 1274, 1275, 2057, 2059, 2061, 2065, 2067, 2273
 in fruit trees, 1277, 2057, 2062
 a history of plant investigations on, 1273
 injections to cure, 2062-2067
 leaf shape affected by, 1717
 a survey, 2058
 in vegetables, 102, 2057
 water purification for study of, 638, 2060
 minor elements, a review, 1278
 molybdenum, 861
 nitrogen, 2274
 phosphate, 2273
 potassium—see Potassium deficiency
 silicon, 757
 zinc—see Zinc deficiency
 Dehydration—see also individual crops—
 of fruit, 486c, 1054, 1791, 1821h, 2713, 2784
 a review, 2701
 of vegetables, 1053, 1054, 1084f, 1787, 1788, 1821h, 2784
 Delayed foliation, 1159, 2087
 Delhi, Ont., Dominion Exp. Stat. Rep. 1937-45, 2781
Delia antiqua—see Onion fly
 Denmark—
 fruit growing, 1162, 1839
Plusia gamma, 763
 vegetable growing, 1839
 Derbyshire, potato aphid survey, 793
 Derris—
 breeding, 2558
 growing in Belgian Congo, 2565, 2665f
 Derris (continued)—
 harvesting, time of, 2566
 roots, rotenone content, 2566
Desiantha caudata on pea, 1597
Deuterophoma tracheiphila, 953b
 Devarda method of nitrate nitrogen estimation, 1907c
 Devil's shoestring (*Tephrosia virginiana*) manuring, 172
 Dew measurement, 1116
Diaphania spp. on cucumber, 1856
Diarthrothrips coffeae, 1102
 Diastase charcoal model system, 1907j
Dicerca horni on plum, 1395b
Didymella lycopersici, 509
 Digitalis—
ferruginea, a medicinal plant, 1493
purpurea—
 photoperiodic reaction, 1414
 temperature and light influence on, 1495
Diocalandra taitensis, a coconut pest, 2665g
Diospyros kaki—see Kaki
Diplocarpon rosae, 152, 329
 Diplodia—
cacaucicola, 400
natalensis, 459, 1032, 1651, 2527, 2528, 2689
sarmentorum, 668
theobromae in guayule, 249
Dipsacus fullonum, a fibre plant, 2433
 Disease(s)—see also individual diseases and hosts—
 control in Germany, 1366
 introduction into U.S.A., 1294
 of ornamental plants, 2462f
 and pest control in orchards, 100
Distantiella theobroma, 1720
Diitylenchus destructor, 794
Diosciostaurus maroccanus, 2229c
 Dodder—see *Cuscuta*
 Dominica Dep. Agric. A.R. 1945, 1099
 Dominican Republic, coffee growing, 407
Doralis fabae, a virus vector, 1091
 Dormancy—
 breaking—
 of potato, 770
 of woody plants, 558
Dothiorella sp. causes apple canker, 1314
 Drainage, tile, 511, 1985
Drosera whittakeri, source of bactericide, 663
 Drug plants—see Medicinal plants
 Drying—see Dehydration
Drymaria cordata in tea plantations, 1707
Duboisia—
 growing in Australia, 829
 spp., alkaloid content of, 828, 829
 -tobacco graft, 2329
 Dutch—see Netherlands
 Dust(ing)—see Sprays
 Dwarf pyramid, 1918
 Earwig control, 1406, 2245
 East Africa—
 coconut growing, 1002
 groundnut growing, 1739
 potato growing, 1701
 East African agric. Res. Inst.—see Amani
 East Malling Res. Stat.—
 A.R. 1946, 2782
 history of, 571
 soil survey of new orchards, 1913
 Ecology, plant, 1095

Economic Botany, a new periodical, 2783
Earthworms—see *Nematodes*
Eggplant—
 hybrid, 1399
 insect control by aerosols, 1395o
 shading, 1400
Eire Minist. Agric. A.R. 1945/46, 2808c
Elderberry, carbonic anhydrase in leaves, 548
Eleagnus longipes, lycopin content, 1606
Electrical—
 and Allied Industries Res. Ass., tech. Rep. of British, 1897
 conductivity of soil solution, 1130
 dusting, 2205, 2206
 soil heating, 752, 1898, 2232
Electricity in horticulture, 752
Elettaria cardamomum, 982
El Salvador—
 coffee growing, 1712
 kenaf growing, 211
Elymus arenarius, a north Russian fibre plant, 219
Emilia sonchifolia, a host plant of spotted wilt virus, 448
Empoasca fabae, 173a, 792, 2424
Endive—
 bolting, temperature controls, 1550
 seed germination, 284
Endothia parasitica on chestnut, 682
England—see also *particular areas and Great Britain*—
 agricultural education, 2796, 2797
 apple growing, 1156
 bacterial canker of tomato, 1574
 cider production, 1170
 farm survey, 1835
 horticultural and agricultural institutions, 2797
 maize growing, 2429
 peach growing, 1085
 vitamin C content of apple varieties, 1047
 walnut growing, 2045, 2046
Enzyme adsorption, 1142, 1143
Ephebra cossonii, a medicinal plant, 2434i
Ephestia elutella, 1486
Ephialtes caudata, a codling moth parasite, 2198
Ephippiger bitterensis, 2141
Epidola stigma on vine, 2174
Epilachna varivestis—see *Bean beetle*, Mexican
Epitrix hirtipennis, 2337
Epochra canadensis on currants, 134
Ergones of parasitic fungi, 118
Erica cuttings, 2775
Eriophya mites, 1395h
Eriosoma lanigerum, 1330
Erosion control in orchards, 1236
Erwinia—
 amylovora, 113, 115
 ardoeae on cabbage, 271
 carotovora, 1446, 2370
 vitivora, 1159
Erysiphe cichoracearum, 2398-2400
Erythroneura—
 comes, 1338-1340
 comes comes, 2152
Eschscholtzia patini, an oil plant, 2546
Essential oil—see *Oil, essential*
Ethylene in atmosphere of stored—
 apples, 452
 melons, 458

Eucalyptus—
 globulus, a source of essential oil, 415
 leaf-blister sawfly (*Phylacteophaga eucalypti*), 139
 weevil (*Gonipterus scutellatus*), 987, 988
Eudemis—see *Vine, eudemis*
Eutophid parasite of coconut caterpillar, 2780
Euonymus verrucosa bark, 2358
Euphorbia—
 fulgens, 2775
 oil, a tung oil substitute, 2546
 as a rubber plant, 2776
Euphyllura olivina, 695
Euschistus spp. on peach, 2142
Euxoa segetum moth, 1404
Exflor, a rooting medium, 1949
Exoascus deformans on peach, 1103
Exobasidium vexans on tea, 1708, 1709
Exochomus flavipes, biological control of citrus and vine pests by, 1365
Exosporina fawcetti n.sp., 2130
 Farm survey of England and Wales, 1835
 Feijoa growing in New Zealand, 515
 Fertilization—see *Pollination*
 Fertilizer—see also *Manuring and separate crops*—
 lance, 1989, 1994
 requirements determined by leaf analysis, 23
Fibre plants—
 Agave—
 amanienensis, 804
 cantala, 2570
 Boehmeria nivea—see *below*, ramie
 Elymus arenarius, 219
 Furcraea spp., 803
 istle (*Amaryllidaceae* and *Liliaceae*), 217
 kenaf (*Hibiscus cannabinus*), 211
 ramie, 214-216, 2318, 2760k
 teasel, 2433
Ficus—
 in Colombia, 1015b
 foliar polymorphism, 625
 Fig preservation, 1159
 Fiji, insect pests, 2561, 2562
 Filbert—see also *Cobnut and Hazel*—
 diseases, 1295
Flax—
 Botrytis cinerea, 209
 breeding, 206
 browning (*Polyspora lini*), 207, 208
 foot rot (*Phoma* sp.), 209
 growing in Argentina, 527
 growth substance effect on hypocotyledonary bud primordia, 541
 research, a review, 204
 seed disinfection, 207, 209
 -seed growing in Canada, 205
 seedling blight (*Colletotrichum linicola*), 208, 209
 Flea beetle—see also *particular crops*—203, 799, 2246, 2249, 2337
Floral differentiation, a review, 535
Florida—
 agric. Exp. Stat.—
 A.R. 1945/46, 2784
 horticultural research at, 2539
 citrus growing, 2497
 hurricane damage, 2665c, 2665m
 magnesium deficiency, 1642
 mango growing, 2665v
 palms, new, 2637

Florida (continued)—
 pineapple growing, 2652, 2657
 ramie growing, 2318
 tung growing, 2544
Flower—
 colour, genetics of biochemistry, 17
 cut, growth substance treatment, 1144
 2441
 growing—
 in Great Britain, 2764
 in Liguria, 896
 manuring, 2237
 seed production—
 in British Columbia, 1846
 in Kenya, 1102
Flowering—
 in darkness, 536
 of fruit trees, growth substances retard, 1145
 and fruitfulness, time of, 1966
 secondary, in fruit trees, 2089
Fomes lignosus, 1731
 Foot's Cray Place, French Fruit Garden, 572
Forest—
 Nursery, Salisbury, S. Rhodesia, Government, 2665j
 trees, propagation by cuttings, 54
Forficula auricularia, 1406, 2245
Forsythia—
 spp. a source of rutin, 1607
 suspensa cuttings, 1614
Fragaria—
 chiloensis, red stele resistant, 1320
 grandiflora × F. elatior hybrids, poliploid, 98b
 vesca, 82, 83, 661
 Frameworking fruit trees, 1159, 1184
France—
 carnation growing, 2462b
 chestnuts, 2055f
 cider manufacture, 2760d, 2760e
 groundnut growing, 2054
 hazel nuts, 2055f
 kok saghyz growing, 2364
 hop growing, 2340
 medicinal plants, 2361
 mirabelle growing, 1924
 pear growing, 1922
 safflower growing, 2357
 vine—
 breeding, 2030
 nursery inspection, 619
 pruning, 9
 rootstocks in Alsace, 1260
 walnut growing, 2047, 2055e
 Freezing, quick—see *Storage, frozen pack and separate crops under Storage*
 frozen pack
French—
 colonies—
 coffee growing, 2586
 oil production, 2742
 Guinea—
 soybean growing, 1753
 tropical fruit research station, 2623
Frost—
 damage—
 to apple blossom, 50, 107
 to fruit trees in Germany, 649
 to peaches, 650, 1999, 2080
 physiological cause of, 648
 to roots of fruit trees, 1291
 to vine, 1292, 2075, 2085

rost—damage (*continued*)—
in walled gardens, 2073
to walnut, 2791
-free season in U.K., site affects length of, 2074
ground, recording of, 1288
hollows, 1287
protection—
of alpine plants, 2436
by fan, 2078
of fruit trees, 1286
of nursery plants in Punjab, 651
by orchard heating, 2077
by radiant energy, 108
of raspberries, 2081
temperature measurement of plants, 2076
of vines, 2077, 2078, 2082-2084
resistance—
in apple, 1094, 1161, 1934
in apple rootstocks, 649, 1291
in cherry, 1200, 1935
in citrus, correction of mineral deficiencies increases, 2516
factors affecting, 649
in ornamental trees and shrubs, 1290
in peach, 1289, 1291
in pear, 1935
in plum, 1200, 1202, 1934
in raspberry, 76, 77
Fruit—*see also individual fruits*—
canning, 1795, 2719, 2760c, 2785
cases, measurements of, 1755
consumption in Holland, 12
crop sampling, 1911
deciduous—
disease and pest control, 1395s
DNC as a winter wash of, 1395r
erosion control, 1236
flowering and fruitfulness, time of, 1966
growing—
at high altitudes, 1920
in South Africa, 34, 1159, 1936, 2087
in tropics, 1733
irrigation, 1234, 1899
manuring, 604, 1232, 2792
mineral deficiencies in, 101, 102, 104, 105
pin-hole borer, 707
rootstocks, 1238h
silver leaf, 1318
tissue tests 1103
dehydrated—
moisture determination in, 1100
nutritive value of, 1054
dehydration and drying, 486c, 1054, 1791, 1821h, 2713, 2784
drop, spraying to retard, 70-72, 97, 594-597, 610, 1159, 1225-1228, 1883, 1982-1984, 2504
exports from Venezuela, 398
fly, Mediterranean (*Ceratitis capitata*), 2160, 2787
granules, 1804
growing—*see also above*, deciduous—
in Belgian Congo, 2763
in Belgium, 2006m
in British Columbia, 504, 505
in California, 1908
in Canada, 32
in Denmark, 1162, 1839
in France, 2767
in French West Africa, 416

Fruit—*see also individual fruits*—growing
—*see also above*—deciduous (*continued*)—
in Germany, 1238e
in Great Britain, 488, 1238d, 1912, 2761, 2772
in Hawaii, 423
in Holland, 1206
in India, 570, 1831, 2624, 2665u
in Kulu Valley, Punjab, 570
in Minnesota, 2006a, 2006b
in Mississippi, 38
in New Forest, 1090
in New York State, 2799
in New Zealand, 33, 521
in Norway, 1094, 1161
on the Okanagan Valley, 2
in Poland, 1864
in Russia, 45, 46, 1166
in Siberia, 7, 1165
in South Africa, 34, 1159
in South Tyrol, 573
superstitions, 1164
in Sweden, 1162, 1163
in Switzerland, 569, 1087
tropical, research in, 2623
harvesting and marketing, 2006c
incompatibility genes in English varieties of, 1101
juice—
containers, 2760f
manufacture, 475, 476, 1084e, 1084g
quaternary ammonium compounds in, 1084c
storage—
in barrels, 1797
frozen pack, 2785
vitamin C content, 1096, 1783
ladder as a photographic tripod, 31g
marketing in New York, 73
maturity tests, 1969
moth, oriental—*see also Grapholitha molesta*—737, 1689d
organic acid isolation in, 2670
pests, 685
picker for picking in top of tree, 561
preservation—
by freezing—*see below*, storage, frozen pack
a manual, 1088
in raw state, electronic, 1031
processing, a review, 2701
purees, 1821f
quality, nutrition affects, 1891
research—
in Algeria, 1910
in Germany, 1180
a survey, 1909
ripening, growth substances affect, 594, 1145, 1883
storage—
frozen pack, 486e, 529, 1029, 1030, 1758
home, 2761
subtropical—
cinchona veneer graft method for, 2541
fruit fly (*Chaetodacus ferrugineus*) control, 952
surface and volume estimation, 1124
thinning, 1212, 1980
top, propagation, 52
tree(s)—
frameworking, 1184

Fruit—*see also individual fruits*—tree(s) (*continued*)—
frost protection, 1286
fungus diseases, 665
intercropping of, 1237
mineral deficiencies in, 1277, 2057, 2062-2067, 2069
mycorrhiza, 1209
nurseries, irrigation of, 1957
phyllometry and carpometry, 600
planting(s)—
at East Malling, a soil survey of new, 1913
in mixed varieties, 1917
preparation for, 1914, 1916
propagation, age of mother tree determines progeny, 1182
pruning, 1216, 1217
seed, determination of germinating capacity, 581
tortrix moths, 2162
training—*see* Training fruit trees
transplanting, 580
valuation, 1157
wild, in Siberia, 1869
tropical, storage, frozen pack, 2787
utilization in Switzerland, 569
varieties—
for freezing, 1030
for Holland, 44
Mičurin, 1935
for Missouri, 1937
new, list of, 74b
for Ontario, 42
for prairie orchards, 43
for Russia, 45
and Vegetable Products Res. Cttee., Dep. Agric., Canada, Rep. 1946, 2785
vitamin C content, 1776, 1783, 2704
wine preparation, 1084g
Fumigation—
ant destruction by, 2183
azobenzene, 1393
carbon disulphide, 1463, 2183
di(4, chlorophenoxy) methane for red spider control in citrus, 1689j
ethylene dibromide, 760
hydrocyanic acid, 509, 2216, 2531
methyl bromide, 454, 529, 728, 1037a, 1618, 1790
of nursery stock, 2784
para-dichlorobenzene, 1463
of raisin packages, 1028
soil, 962, 1014, 2137, 2200, 2229e
Fungi—
edible—
culture of, 2430
in Siberia, 1869
in tropics, 2663
vitamin content, 1602
parasitic, significance of hormones for, 118
Fungicides—*see* Sprays, fungicides and Sprays, proprietary names
Fungus—
diseases, weather in relation to, 1312
infection and water congestion, 2241
spores, dissemination of air-borne, 2106
Funtumia, a rubber plant, 2776
Furcraea spp., fibre plants, 803
Fusarium—
batatis var. *vanillae*, 2609

Fusarium (continued)—
bulbigenum—
on narcissus, 1091, 1096
var. *lycopersici*, 878
coeruleum, 1450, 2291
conglutinans, 1532
in cucumber, 1557
in guava, 2629
lateritium, 634
in melon, 286, 1557, 2401
a monograph, 751c
oxysporum—
cubense, 1006
var. *gladioli*, 344
f. *lycopersici*, 299, 449, 877, 1575, 2539
f. *narcissii*, 1624
on oil palm, 1001
sambucinum, 1450
solani—
spp., antibiotics from, 1363
in vanilla, 1099, 2609
Fusicladium—see also individual plants
under scab and *Venturia*—*cerasi* on
peach, 634
Gamma moth (*Phytometra* (*Plusia*) *gamma*)
763, 1536
Gammexane—see Sprays, Gammexane
Ganoderma lucidum on lime, 514
Garden books, 1828
Garden, French fruit, at Footh Cray, 572
Gardenia—
bacterial leaf spot (*Phytomonas macu-
lifolium-gardeniae*), 334
canker, 2444
Myrothecium leaf spot, 2444
spacing, 349f
Gardening—
encyclopaedia, 2773
for pleasure, a manual, 1843
in Scotland, 2768
Gardens in Lima, 898
Garlic growing in Algeria, 2379
Gas—
analysis apparatus, 1154g
content of plant tissues, 15
Georgia Exp. Stat. A.R. 1945/46, 2786
Geranium cuttings, 337
Germany—
frost damage survey, 649
fruit—
growing, 1238e
research, 1180
pest and disease control, 1366
Gibberella cyanogena, 826
Ginger growing in Queensland, 524
Gladiolus—
diseases, 344, 2459
dormancy breaking, 343
Fusarium yellows, 1624
Septoria gladioli, 344, 1626
thrips, 345, 903, 1627
tip curvature of cut, 342
Glasshouse—
bench, concrete, 1608t
construction, 1101
heating, 752, 1410, 1898
illumination, 1101
red spider control, 1327
soil sterilization, 754
subirrigation, 178
Gloeosporium—
album rot of apple, 1018, 1757
musarum, 438

Gnomonia leptostyla, 1296
Gnorimoschema operculella—see Potato
tuber worm and Tobacco leaf miner
Gold Coast, Dep. Agric. A.R. 1945/46, 514
Gonipterus scutellatus, 987, 988
Gooseberry—
breeding in Russia, 1934
Cape (*Physalis peruviana*), 615
Chinese (*Actinidia chinensis*), 2008
Microdiploia ribicola, 2116
organic acid in, 2707
potash content of leaf, 1242
Sphaerotheca mildew, 1934
Graft hybrids, 1861a
Grafting—see also Frameworking and
particular plants—
biochemical changes induced by, 19
bridge, 1224
fruit trees, 1950
methods, 2006n, 2033, 2614
plastic tape used in, 1951
root, of fruit trees, 1185
stub, 53
tropism changed by, 1879
vener, 2541
Granadilla, melon fly on, 1348
Grape, see Vine, grape
Grapefruit—see also Citrus—
boron deficiency, 2512
canning, 1044, 2729
chlorosis, 359, 1646
cuttings, 955, 2540
irrigation, 359, 1646, 2778
juice, vitamin C content, 1044, 2729
manuring, 356, 359, 2778
quality, lead arsenate sprays improve,
2506
rootstocks, 514, 2486
stem pitting virus disease, 2477, 2478
top-working, 926
varieties, Wheeny, 1634
Grapholitha—
molesta—see also Fruit moth, oriental—
737, 2163, 2164
woeberiana, 1355
Grass, provitamin A content, 486f
Grasshopper control, 167, 1378, 1395c, 2134
Great Britain—see also England and
Scotland—
agricultural research, 1863
agriculture, 1862
fruit growing, 1238d, 1912
horticultural education, 1907f
raspberry and strawberry virus research,
2097
tomato, vitamin C content, 1061
vegetable growing, 1238d
Greece, vine growing, 1257, 2055i
Greenhouse—see also Glasshouse—leaf
tier (*Phytactenia rubigalis*), 737
Grenada, nutmeg industry, 1723
Griffith Irrigation Res. Stat. N.S.W.—
A.R. 1945/46, 511
Rep. Soils Irrig. Extens. Serv., 510
Groundnut—
crown rot, 428
growing—
in East Africa, 1739
in France, 2054
in Malaya, 1690
in Mississippi, 946, 947
in Queensland, 953d
gynophore development, 1689i
hybridization by thrips, 427

Groundnut (continued)—
manuring, 1675
nicotinic acid content, 485
oil, 477, 1084j
pests, 429
protein extraction, 1084i
sterility in, 1674
Growth substance(s)—
action on plant cells, 1154f
aeroplane for applying, 72
aerosol method of applying, 1568
Avena coleoptile respiration affected by,
542
and bacterial tumour development, 1307
for banana ripening, 956
bean blossom sprays, 304, 305
bean plants' response to, 539, 540, 885,
888
blackberry blossom sprays, 78
bud development affected by, 1883
4-chlorophenoxyacetic acid to induce
fruit set, 1552
content—
of peach, 1208
of penicillin, 546
of pineapple, 2652
of sewage, 544
of virus-diseased potatoes, 771, 772,
895i
crown-gall and, 1151, 1307, 1887
for cuttings, 955, 956, 1154c, 1183, 1262,
1263, 1884, 1885
 ω (2,4-dichlorophenoxy) aliphatic acids,
biochemical role of, 1147
dilution, 543
dormancy in potato prolonged by, 463,
801, 1145
evaluation, 1888
flax hypocotyledonary bud primordia
affected by, 541
flower—
dropping in cut flowers checked, 2441
and fruit formation in pineapple
induced, 955, 956, 1012
flowering—
in cut flowers hastened, 1145
of fruit trees retarded, 1145
fruit—
drop retarded by—see Fruit drop
ripening affected by, 457, 594, 1145,
1883, 2678
set—see below, parthenocarp
fungicide treatment of flower cuttings
in conjunction with, 337
for hardwood and pine seedling
pre-storage, 568d
as herbicides, 143, 161, 399, 719, 721,
722, 727, 750m, 750r, 918, 955, 950,
963, 1360, 1412, 1591, 1699, 1836,
1883, 1888, 2186-2188, 2190-2194,
2569
indole-3-acetic acid and charcoal model
system, 1907j
literature reviewed, 21, 1145, 1146
neutral, 1148
for onion storage, 1145
in oil sprays prevent shock, 690, 942,
2138
parthenocarp induced—
in fruit trees, 594, 597, 1145
in holly, 1145
in strawberry, 1145
in tomatoes, 509, 595, 596, 869, 1101,
1145, 1568, 1883, 2404

SUBJECT INDEX

- growth substance(s) (*continued*)—
pear scald controlled by, 1023
phenoxy compounds, substituted, 22
potato—
dormancy influenced by, 463, 801, 1145
yield or starch content not affected by, 191
Pteris longifolia response to, 545
ripening of fruit—*see above*, fruit, ripening
root growth affected by, 1883
seed germination affected by 2,4-D, 1153
storage quality of 'pears affected by, 1228
test—
with sunflower stem cultures, 1149
with tissue cultures, 1150, 1151
for thinning fruit blossom, 1214
thiophan-2,5-dicarboxylic acid, 1152
thiourea stimulates seed germination, 279
tobacco axillary growth suppressed by, 2330
translocation of, 20
for transplanting, 1270, 2452
for vine rootstocks, 2036
and water availability in growth of
Avena coleoptile, 1154e
Guatemala—
banana growing at Tiquisatá, 1745
cherimoyers of, 2665e
grass oil production, 414
lava—
breeding, 2805
fungal rots of fruit, 994
Fusarium wilt, 2629
growing in Puerto Rico, 2665h
pruning, 996
varieties, Supreme, Red Indian, Ruby, 2628
vitamin C content 995, 1159, 2626, 2627, 2665p
weed in Fiji, 2561
yule—
bacterial root and stem disease (*Erwinia* sp.), 2369, 2370
carbohydrates, 845, 847, 1608v
Diplodia die-back, 249
growing in South Australia, 243
hybrids, dwarfed, 1689m
insects on, 1608s
irrigation, 246, 248, 1508
maggot bug control, 1509
manuring, 1508
pollination, 244, 1507
opt—
system, 2366
tissue separated from gravel, 1506
rubber—
estimation, 1083
hydrocarbon, function of, 2367
oil tolerance, 247
seed disinfection, 847
oil moisture affects—
carbohydrate content, 845
rubber content, 2368
aging, 245, 1508
transplanting, 246, 846
seed control, 250
russell, tobacco growing, 2321
Nardus bidwellii, 125, 680
Opophila elegans, *Sclerotinia* disease, 2442
Hail—
damage to horticultural crops, 109
storms, prevention of, 2086
Halotydeus destructor, 1405
Hancornia products, 954
Hardwood and pine seedling pre-storage, growth substances for, 568d
Hawaii—
agric. Exp. Stat. bienn. Rep. 1944/46, 2787
avocado growing, 1689c
tomato breeding, 447-450
vegetable composition, 1749
Hazel—*see also* Cobnut and Filbert—
in France, 2055f
polyloid, 1167
varieties in Bulgaria, 2051
Hedera helix—
extract inhibits fungus spore germination, 1317
respiration and cell division, 1880
Hedges in Tasmania, 2446
Helianthus tuberosus—*see* Artichoke, Jerusalem
Heliothis armigera—*see* Tomato fruit worm
Heliothrips haemorrhoidalis, 1688, 2225
Hellula phidilealis on cabbage and cauliflower, 1856
Helminthosporium carposaprum n.sp. on tomato, 879
Helopeltis—
control in cacao, 1714
spp. on cinchona, 1729
Hemiberlesia simplex on agave, 804
Hemileia spp. on *Rubiaceae*, 1754c
Hemp—
Manila, growing—
in Malaya, 2573
in South-East Asia, 2572
manuring, 210, 1502
Mauritius, 803
retting, 320j, 320k, 320 l
seed disinfection, 212, 213
sun—, mosaic, 1464
Herbicides—*see also* Weed control—
activation, 2229f
Agrozone, 2188
for cereals, selective, 722
4-chlorophenoxyacetic acid, 1360, 2186
for *Chondrilla juncea*, 750m
coumarin, 1364
2,4-dichlorophenoxyacetic acid, 143, 161, 399, 719, 727, 750r, 918, 955, 956, 963, 1360, 1412, 1591, 1699, 1888, 2186, 2187, 2190-2194, 2569
evaluation, 1888
glycerine increases effectiveness, 721
growth substances as, a review, 1836, 1883
Methoxone, 2186
oil, 184, 250, 261, 262, 1513, 2189, 2371
Stoddart Solvent, 184, 261, 262
toxicity in soil, 2229e
2,4,5-trichlorophenoxyacetic acid, 1360
Heredity, a new periodical, 1101
Herefordshire—
cider orchards, 1170
a planning survey, 502
Hertfordshire, frost hollow, 1287
Hesperaloe funifera, a fibre plant, 217
Heterodera—*see also* Nematodes—
marioni, 228, 348, 768, 962, 2412
rostochiensis, 795, 2303, 2412
Heteronychus sanctae-helenae, 133
Heterosporium leaf spot of nasturtium, 2445
Hevea—*see* Rubber, *Hevea*
Hibiscus—
cannabinus, 211
cuttings, 955, 1889
esculentus, 516, 959
sabdariffa preserves, 2760h
Hickory nut, germination, 93
Hippeastrum, 347, 2775
Holland—
asparagus growing, 2380
cauliflower varieties, 1538
fruit—
growing, 44
and vegetable consumption, 12
nursery inspection, 1155
potato root eelworms, 2302
Honey—
nutritive value, 1785
pollen analysis of Swedish, 486a
Hong Kong, vegetable growing, 1832
Hop—
aphid—
control, 1846
resistant, 2798
black rot (*Gibberella cyanogena*), 826
cuttings, 2342-2345
diseases, 2345
downy mildew, 1096, 2798
drying, 530
growing—
in Alsace, 2340
in Belgium, 2341
Conference, Wye College, Rep. 1946, 530
in New Zealand, 521, 826
in Poland, 1864
in Turkey, 229
insects, 2350
mildew (*Pseudoperonospora humuli*), 230
mosaic, 2345, 2346
nettlehead disease, 827, 2347
picking, mechanical, 530
preservative value, 1489
varieties—
brewing trials with new, 1487
Clone No. 18, 230
Rep. on Trial of new 1945 and 1946, 512, 1487
Verticillium wilt, 2348, 2349
Hoplocampa—
flava, 1103, 2181, 2182
minuta, 140, 1103, 2181, 2182
Hormones—*see also* Growth substances—
significance for parasitic fungi, 118
Horticultural—
Education Association, Occasional Publications, 1847
education in Great Britain, 1907f
institutions in England and Wales, 2797
science in U.S.A., 35
Horticulture—*see also* Gardening—
literature reviewed, 1865
in New Zealand, 1154a
in Queensland, 1691
in southern U.S.A., 1657
Hotbed, electrical heating, 752, 1898, 2232
Hothouse plants—
cold injury to, 901
mite (*Avrosia translucens*) injury to, 901
Hot water treatment—
for eelworm, 768, 2199
stings in orange rind discovered by, 1756

SUBJECT INDEX

Hot water treatment (*continued*)—
for tulip fire, 1096
Hufelandia anay for avocado breeding, 2552
Humus—
decomposition, 567
estimation in soil, 25
Hungary, walnut growing, 2048
Hurricane damage in Florida, 2665c, 2665m
Hyacinth—
polyploidy or bud sports induced in, 916
temperature effect on metabolism, 1623
water, compost from, 1894
Hydrangea—
blindness caused by lack of carbohydrates, 332
cultivation, 1610
cuttings, 1096
pest control by selenium, 323, 2439
Hylemyia brassicae, 2391
Hypsometer for tree height estimation, 1689p
Icerya purchasi, biological control of, 1652
Ilex paraguariensis, yerba mate from, 1722
Illinois—
peach varieties, 1945
State hort. Soc., Trans. 1945, 2788
Imperial—
Agricultural Bureaux, Conference Proceedings, 515
agric. Res. Inst., New Delhi, sci. Rep. 1941/44, 1100
Coll. trop. Agric., Trinidad, A.R. 1945 and 1946, 516, 1857
Incurvaria capitella, 138
India—
Bactris utilis palm, 431
cashew nut industry, 1015d
coffee growing, 967, 2603
Cucurbitaceae, 2660
desert locust, 750q
fruit fly (*Chaetodacus ferrugineus*), 952
fruit growing, 570, 1831, 2624, 2665u
imp. agric. Res. Inst., New Delhi, sci. Rep. 1941/44, 1100
mango growing, 2632, 2634
medicinal and ornamental plants, 958
potato virus diseases, 773
tobacco and potato growing, 1822
village development, 2789
vine growing, 2055j
Indiana—*see also* Purdue University—
peppermint and spearmint oil production, 233
tobacco growing, 2434y
Indo-China—
agric. Res. Inst., 397
citrus types, 2470
Indore Inst. Plant Indust. A.R. 1943/44, 1944/45 and 1945/46, 517, 2808d
Infection, theories of plant, 492
Inga vera, a shade tree for coffee, 407
Injection—*see also* Deficiency mineral, diagnosis of and *ibidem* injections to cure—for virus control, 2067
Insect—
microbiology, 1840
pests—*see also* Pest and particular insects and crops—in Fiji, 2561, 2562
populations, estimation of, 750z
Insecticidal plants—
Annona spp., 1695

Insecticidal plants (*continued*)—
Derris elliptica—*see* Derris
Lonchocarpus, 1697, 2565, 2665f
Mammea americana, 430
Mundulea, 2565
Pyrethrum—*see* Pyrethrum
Sabadilla—*see* Sprays, insecticides, sabadilla
Tephrosia, 172, 2565
Institut—
des Fruits et Agrumes coloniaux, 352
des Recherches agronomiques et forestières de l'Indochine, 397
Institute trop. Agric. Puerto Rico A.R. 1944/45 and 1945/46, 1107, 1108
Inter-American Inst. agric. Sci., Turrialba, A.R. 1944/45 and 1945/46, 2805
Invertase adsorption, 1142, 1143
Iowa agric. Exp. Stat. A.R. 1945/46, 2791
Iris(es)—
culture in England, 487
I. halophila stimulates lemon tree, 943
in Palestine, 899
urea stimulates growth, 915
Iron deficiency—*see also* Chlorosis—
in apple, 2066
bean an indicator plant, 103
in fruit trees, 2069
in tomato, 509, 1572
types of, 639
in vine, 2070
Irrigation—
apples, 1938
citrus, 1644, 2477, 2478
coffee, 1110
with distilled water, 1904
electric, 752
fruit—
trees, 67, 1234, 1987
and vegetable crops in England, 1899
furrow, 26, 67
glasshouse crops, 178
grapefruit, 359, 1646, 2778
guayule, 246, 248, 1508
nurseries, 1956
pears, 1219
pepper, 2353
portable pipe, 1986
potatoes, 2249, 2434x
prunes, 611
Research Station, Griffith, N.S.W., 510, 511
salt movement in soil affected by, 1900
by sprinkler, 561, 563, 2807
vegetables, 511
vines, 2043
water raising from deep wells, 562
Isserville exp. Stat., tobacco experiments, 2319
Italy—
buffalo tree hopper (*Ceresa bubalus*), 700
cauliflower growing, 895b
citrus growing, 922
floriculture, 896
oil crops, 833
olive conference, 1089
table grape production, 618
vine growing, 2037
Ivory Coast, cacao growing, 411
Jamaica—
banana diseases, 436, 437
Dep. Agric. A.R. 1945/46, 1849

Jams, nutritive value of, 1785
Japan, green tea improvement, 2574
Japanese beetle (*Popillia japonica*), 767, 2434m
Java—
citrus rootstocks, 2521
tobacco growing, 2322
Jersey, Colorado beetle, 1458
John Innes hort. Inst. A.R. 1946, 1101
Journal of the Institute of Corn and Agricultural Merchants Ltd., a periodical, 1848
Juglans—*see also* Walnut—spp., virus disease, 662
Juice—*see also* Fruit juice and particular juices—vegetable, 2750
Jujube (*Zizyphus* spp.)—
fungal rots of fruit, 994
vitamin C content, 483
Kaki (*Diospyros kaki*)—
climate affects fruit form, 1673
varieties at Mount Albert, Auckland N.Z., 576
Kenya—
coffee growing, 967, 2600
deciduous fruit growing, 1733
Dep. Agric. A.R. 1945, 1102
Ocimum suave oil, 1819
pyrethrum growing, 2564
Kew—
Bulletin, 518
Royal Botanic Gardens, 1866
Kibrai Inst. Plant Indust., 1870
Kilimanjaro, coffee growing, 968
Kirtan, Lincs., bulb research, 2453
Kohlrabi, biological value, 1051
Kok saghyz—
Azotobacter in rhizosphere, 842
breeding in Canada, 837, 1096
carbohydrates in, 837, 839
cuttings, 253, 840, 841
dandelion weeds in, 256
dormancy, summer, 1498
grafting, 254, 255
growing—
in France, 2364
in Russia, 251
in U.S.A., 2363
manuring, 1502
planting, 252, 2365
root size, 1504
rubber content, variability of, 257
tetraploid, 838, 1497, 1499
variety No. 485, 1497, 1500
Komarov Branch of Acad. Sci. U.S.S.R. 1869
Kornik Gardens, Poland, work at, 116
Krebs cell for fruit storage, 2671
Krym saghyz pests, 1505
Lactuca scariola, 281, 282
Ladybird beetles, 2133
Laeken, Brussels, Colonial Garden, 39
Lagerstroemia indica, 2548
Lallemantia—
iberica, an oil plant, 235
spp., photoperiodism of, 913
Lampronia capitella, 138
Landolphia, a rubber plant, 1097, 2770
De Lange Ooskampen, manurial treatment, A.R. 1943, 2792
Larkspur, crown rot (*Sclerotium roboris*), 1612

SUBJECT INDEX

- asiderma serricorne*, 320y, 1486
aspeyresia—
nigricana—see Pea moth
pomonella—see Codling moth
 atice square design, 31b, 1413
laurel, leaf spot (*Tetracytum lauri*), 1620
ausanne viticultural and horticultural
 research station A.R. 1945, 1103
avender oil, 1821e
awn mowers, electric, 1898
awsonia inermis, a medicinal plant, 985
 eaf—
 analysis to determine fertilizer needs—
 see also Tissue testing—23
 catalase activity, 16
 fall, ethylene induces, 1890
 shape, mineral deficiency affects, 1717
 eafhopper—see also particular crops—
 spp. transmitting virus, 2434w
ecanium pruinatum, 1334
 eek—
 manuring, 2238
 moth (*Acrolepia assectella*), 265
 onion thrips on, 509
 transplanting, 2238
eedward Islands, Dep. Agric. A.R. 1945,
 1861f
 egume(s)—
 dried in Algeria, 2413
 nodulation, DDT does not affect, 315
 emon—
 chlorosis, 2513
 DDT residue on foliage and red scale
 control, 1655
 growing—
 in North Africa, 2473
 in Russia, 1633
 growth stimulated by *Iris halophila*, 943
 juice, buffer system, 2733
 leaf fall induced by ethylene, 1890
 "mal secco" (*Deuterophoma trachei-*
phila), 943b
 oil, 1075
 packing, 1024
 rootstocks, 514
 rough, rootstock, 2482
 shell bark, 2511
 storage, gas, 1761, 2687
 eningrad Botanical Gardens, apple and
 pear varieties, 1172
epidosaphes—
beckii on citrus, 353, 1855
ulmi on apple, 37, 723, 2144
epinotarsa decemlineata—see Colorado
 beetle
 esgaft Institute of Natural Science,
 Russia, 6
espedeza sericea, a cover crop for
 peaches, 606
 ettuce—
 aster yellows, 2391
 bolting, 1548, 2778
 Chinese, vitamin C and P content, 281,
 282
 culture, a world review, 2389
 green fly (*Aphididae*) control, 509
 growing—
 in Mississippi, 277
 in Queensland, 276
 heat-resistant, 2787
 leafhopper control, 2391
 manuring, 1549
 molybdenum, a nutrient, 278
 photoperiodic reaction, 1514
 Lettuce (continued)—
 seed—
 disinfection, 183
 germination, thiourea stimulates, 279
 storage, 182
 soil sterilization, 1103
 soilless culture, 1901, 1902
 sowing, date of, 1548
 tipburn, 280
 variety(ies)—
 Grand Rapids, 2390
 Great Lakes, 1547
 Slobolt, a tropical, 1751
 vernalization, 865
 vitamin C content, 1052, 1514, 1776
 water level, effect of, 1548
 Libya, *Spondonema epizoom* on dates,
 2549
Licania rigida oil, 1077
 Light, artificial, growing plants in, 1897
 Ligustrum—
 japonicum cuttings, 1614
 lucidum, respiration and cell division,
 1880
 as olive rootstock, 55
 Lilac—
 flowering in late summer, 2775
Phyllactinia suffulta on, 791
 Lilium—
auratum, 917
longiflorum, 2456, 2775
 Lily—
Colletotrichum lilii, 1625
 Easter, 2456
 hybrids, hardy, 349e
 Martagon, anther development, 2462e
 raising in U.S.A. and Canada, 917
 variety, White Queen, 2775
 Yearbook 1946, 1092
 Lime—
 chlorosis, lime-induced, 514
Ganoderma lucidum, 514
 growing in Gold Coast Colony, 514
 root disease, 1856
 rootstocks, 2794
 seed oil, 2760a
 Lincolnshire, bulb growing, 1621, 2453
 Litchi—
 culture, 2636
 cuttings, 2540
 fungal rots of fruit, 994
 Lobelia—
inflata, a medicinal plant, 1495
 seed viability, 900
vedrariensis, an amphidiploid, 1611
 Locust—
 control, 167, 726, 750b, 750c, 750y
 desert, in India, 750q
 in Sardinia, 2229c
 Loganberry—
 "dry berry" disease, mite causes, 692
 growing in New Zealand, 1243
 -raspberry-blackberry cross, 2012
Lonchocarpus—
 growing in Belgian Congo, 2565
 an insecticidal plant, 1697, 2665f
 Long Ashton agric. and hort. Res. Stat.
 A.R. 1946, 2793
 Loofah (*Luffa cylindrica*)—
 growing in Czechoslovakia, 867
 uses of, 1752
Lophanthus anisatus, an essential oil and
 bee plant, 2791
 Louisiana, peach growing, 40
Lotus corniculatus against soil erosion,
 1932
 Loveday Committee, report of, 2796, 2797
 Low Temperature—
 Lab., Capetown, 1786
 Research Station, Trinidad, 1016
Luffa cylindrica, 867, 1752
 Lundegårdh flame emission method,
 553
 Lupin, flower dropping checked in cut,
 2441
Lycidocoris mimeticus, a cinchona pest,
 1729
Lycopersicon spp.—see tomato breeding
 Lycopin, *Eleagnus longipes* a source of,
 1606
Lygidea mendax, 1335, 2143
 Lygus—
hesperus, 306, 1509
elusus, 306
oblineatus, 305, 1337, 2142
 Macadamia nut growing in Hawaii, 2787
 Macaulay Inst. Soil Res. A.R. 1945/46,
 1104
Macropsis spp. on plum, 1395t
Macrosiphoniella sanborni, 156
Macrosiphum—
euphorbiae, 1091
gei, 2283, 2286
pisi—see also Pea aphid—739
solani, 2286
Macrosteles—
divisus, 775, 776, 850, 1442, 2391
quadripunctata, 199
 Madagascar, coconut growing, 2665g
 Madras Dep. Agric., Report on work of
 agricultural stations 1944/45, 2794
 Magnesium—
 availability, 1282
 deficiency—
 in apple, 37, 508, 640, 1096, 1283
 in citrus, 1642
 in potato, 2273, 2274
 in tobacco, 1478
 in tomato, 509, 2406
 estimation, 508, 640
 -phosphorus relationship, 1281
 role of, 1279, 1280, 1282
 Maize—
 growing in England, 2429
 photoperiodic response, 2429
 storage, 464a
 suckering, 316
 variety USDA-34, 317
 Malaya—
 Central Experiment Station, Serdang,
 2560
 food crop cultivation, 1690
 vegetable growing in Cameron High-
 lands, 1748
Malpighia prunicifolia, 1048
Malvaceae, mosaic, 959
Malus—
baccata, 1172, 1958
cerasifera, 1172
domestica, 1172
prunifolia, 1958
sieversii, 46, 47
 stone cells in fruit, 1971
Mammea americana, an insecticidal plant,
 430
 Mandarin—see Tangerine

SUBJECT INDEX

Mandioca, origin; 1702
Manganese—
 deficiency—
 in apple, 641, 2066
 in camphor, 2548
 in citrus, 2548
 in coconut, 2548
 in date palm, 2548
 in tomato, 509
 toxicity—
 to apple, 642
 to beans, 303
 and soil acidity, 2240, 2273
Mango—
 budding, 2631
 carotenoid pigments, 2665s
Colletotrichum gloeosporioides, 1736
 cuttings, 2540
 flower bud development, 997, 2633
 fly, Java (*Dacus dorsalis*), 2787
 growing—
 in Ceylon, 425
 in Hawaii, 2787
 in India, 2632, 2634, 2789
 in S. Africa, 1735, 2631
 inflorescence blight (*Phylospora per-seae*), 1456
 Mexican fruit fly, 998, 1666
 nursery in South Africa, 1629
 pollination, 1736
 polyembryony, 1737
 propagation methods, 2634, 2794
 rootstocks, 2794
 unfruitfulness, 2665v
 vitamin content, 1050, 2665p
Mangosteen—
 culture, 2635
 germination, 1738
 rootstocks, 2794
Manihot—see also Cassava—
 broom disease, 966
glaziovii (ceara), 2776
 origin, 1702
Manual—
 agriculture—
 in the Netherlands East Indies, 1829, 1830
 of Rudolf Steiner, 496
 almond varieties in France, 2055d
 apricot varieties in France, 2006k
 botany, 497
 chestnuts in France, 2055f
 chrysanthemum growing, 1825, 1844
 citrus growing, 498, 2770
 on coffee, 2665d
 crop production and environment, 503
 freezing preservation, 501
 fruit—
 growing, 488, 1087, 1090, 1094, 1831, 2763, 2767, 2772
 harvesting and storing, 2761
 preservation, 1088
 gardening, 1843, 2764
 hazelnuts in France, 2055f
 insect microbiology, 1840
 irises, 487
 manuring fruit and vegetables, 1838
 olive growing, 1089, 2006j
 ornamental shrubs and trees, 2766
Paonia, the genus, 1841
 peach growing, 1085
 pests and diseases, garden, 490, 1823
 photography, infrared, 489

Manual (continued)—
 plant—
 composition, an index to nutritional status, 1827
 ecology, 1095
 infection theories, 492
 systematics, 2762
 potato cultivation, 1861b
 rhododendron, 2771
 rock garden, 1837
 shelf culture, 1842
 statistics in agriculture, 2769
 temperature measurement, 2765
 tobacco production, 1824
 trees, shrubs and vines, 494
 vegetable—
 growing, 1087, 1832, 2795
 seed production, 1086
 viticulture, 1834, 2055a
 walnuts in France, 2055e
 wine—
 chemistry, 1826
 making, 491, 2055a
Manure—see also Fertilizer—
 bacterial, for vegetables and potatoes, 7
 from grape residue, 90
 peat, fortified, a substitute for farmyard, 1104
Manuring—see also under particular crops and nutrients and under Fertilizers—
 bog soils, 1502
 citrus, 928, 1238c, 1629, 1640, 1641, 1849, 2497-2500, 2502, 2505
 deciduous fruit, 604, 1232, 2792
 flowers, 2237
 fruit trees by soil injections, 1989, 1994
 green, 604, 628, 1232, 1238c
 medicinal plants, 2362
 vegetables, 7, 755, 1838, 2237-2239
 Maori mite in citrus, 937
Maple—
 nurseries, irrigation of, 1956
 products industry in Canada, 174
 syrup, 2760j
Marasmius—
pernicius—see Cacao, witches' broom
 spp., source of antibiotics, 1362
 Market gardening on heavy land, 1608k
Marmor—
medicaginis, 832
 pinotfolium disease of cherry, 656
 Marrow varieties in New Zealand, 2395
Marssonina juglandis on walnut, 1103
 Maryland agric. Exp. Stat., rootstock work, 1238h
Mauritius—
 Sugar Cane Res. Stat. A.R. 1945, 531d
 tea growing, 402
 weed control investigations, 1698, 2567, 2568
 Mealy bug, Comstock's, 128
Medicinal plants—
 alkaloid content increased by nitrogen, 2362
Atropa belladonna, 1495
 of the Caucasus, 1493
Cola spp., 418
 in Delhi Province, 958
Digitalis—
 ferruginea, 1493
 purpurea, 1414, 1495
Duboisia spp., 828, 829
Ephedra cossonii, 2343i
 in France, 2361

Medicinal plants (continued)—
 growing in Russia, 499
 henna (*Lawsonia inermis*), 985
Lobelia inflata, 1495
 manuring, 2362
Moringa pterygosperma, 232
 opium poppy, 240
 ragweed (*Ambrosia monophylla*), 835
Scopolia caucasica, 1493
 in Siberia, 1869
 therapeutic properties of, 2360
Valeriana colchica, 1493
 wild, in U.S.A., 2359
 Mediterranean, garden plants from, 897
Melanogromyza theae, 1098
Melanoplus spp., 2134
Melon—
 breeding, 320s, 1553
 emanations reduce storage life of
 cucumbers, 458
 fly, 1348, 2787
Fusarium diseases, 1557, 2401
 honeydew, bacterial spot of, 288
 hybrid, 1399
 leaves, provitamin A content, 486f
 manuring, 287
 musk—
 breeding, 1553
 Fusarium resistance in, 286
 pollination, 1552
 stamen morphology, 1554
 varieties—
 Imperial 45, 2778
 Michigan Honey Rock No. 55, 286
 Texas Cantaloupe No. 1, 285
 water—
 Fusarium wilt, 2401
 seed selection, 2397
 varieties—
 Miles, 2401
 Missouri Queen, 2434k
Mentha piperita—see also peppermint—
 1414
 Menthol determination, 1084d
Metamasius weevil of banana, 2665q
Metaphycus helvolus, a parasite of *Saissetia nigra*, 2450
Metatetranychus—see Red spider
 Meteorology, agricultural, 1873
 Methyl bromide fumigation—see Fumigation
 Mexican bean beetle—see Bean beetle
 Mexico—
 fruit fly distribution, 1664
 istle fibre industry, 217
 ornamental plants, vitamin C content, 1065
Michigan—
 apple and pear growing, 1238k
 small fruit growing, 633b
Microdiploia ribicola, 2116
 Micro-elements—see under particular elements and crops and Minor elements
 Micro-organisms—
 growth factors and inhibitors, 18
 for vitamin assay, 2708
Microstroma juglandis, 1296
 Micrurus fruit varieties, 1935
 Minnesota, fruit growing, 2006a, 2006b
 Minor elements—see also particular elements and crops—
 cathode layer arc method of spectrographic analysis, 553, 568c, 1104
 manuring with, 1132, 2425, 2426

SUBJECT INDEX

inor elements—see also particular elements and crops (continued)—
 in plant nutrition, a review, 1278
 toxicity to peach, 2786
 int—see also Peppermint—
 runners, hot-water treatment, 2199
Verticillium wilt, 830, 831
 irabelle growing in France, 1924
 ississippi—
 agric. Exp. Stat. A.R. 1943 and 1944, 519
 groundnut growing, 946, 947
 lettuce growing, 277
 soils, boron content, 1671
 tomato growing, 293
 tung growing, 378
 issouri—
 cherry and plum growing, 74c
 potato growing, 2434j
 strawberry growing, 1272c
 polybdenum—
 deficiency in cauliflower, 861
 determination, 554
 lettuce benefited by, 278
 uptake by plants, 1104
 onellia aphid on pecan, 1343
 onilia—see also *Sclerotinia*—
 diseases of fruit, 119
Fructigena, 2129
taxa, 1103
onilinia spp., 117, 120
onstera deliciosa, air roots, 1010
 orel culture, 2430
vinga pterygosperma—
 medicinal plant, 232
 source of bactericide, 750t
 rococo—
 citrus growing, 1630, 2536, 2557a
 olive growing, 1930
 rus—see also Mulberry—foliar polymorphism, 625
 scow Plant Breeding Stat. sci. Rep. 1939-1942, 1105
 ounts, permanent, of non-embedded botanical material, 549
 use control in cold storage, 1762
 lberry—
 omstock mealybug control, 128
 rowing in Caribbean area, 1926
 opcorn disease (*Ciboria carunculoides*), 122
 ching—
 ueberry, 614
 trus, 2500
 offee, 409, 977, 1102, 1110
 uit trees, 37, 604
 eaches, 2790
 spberries, 607, 613
 rawberries, 613
 iclea, an insecticidal plant, 2565
 umberidgee Irrigation Area, soil fertility in, 2005
 a *paradisica*, flower from, 2749
 hroom—
 mposition, 318
 ld, in Victoria, Aust., 893
 owing—
 in Argentina, 319
 nder cloches, 894
 domestic, in France, 2430
 in Holland, 1608g
 l for casing, 1601
 awn production, 1600, 1603
 ore germination, 895c

Mustard—
 nicotinic acid content, 485
 photoperiodic reaction, 1134-1136
 vernalization, 1468
 Mutations, spontaneous and X-ray induced, 1101
 Mycorrhiza—
 of fruit trees, 1209
 of potato, 1876
Mycosphaerella—
brassicola, 2382
musicola, 436
Myristica fragrans, 1723, 1812
Myrothecium roridum, 2444
Myzus persicae, 793, 1443, 1543, 2283, 2284, 2286
 Narcissus—
 basal rot (*Fusarium bulbigenum* or *F. oxysporum* f. *narcissi*), 1091, 1096, 1624
 polyploidy or bud sports induced, 916
 virus diseases in Holland, 1091
 Nasturtium—
Heterosporium leaf spot, 2445
N. uniseriatum, 1551
 National—
 Agricultural Advisory Service, 1113, 1114
 Inst. agric. Engng Askham Bryan A.R. 1945/46, 520
 Nectarine, black peach aphid control, 129
 Nematodes—
 in chrysanthemum, 2437
 in citrus, 2535
 control—
 by DD, 962
 by hot water treatment, 768, 2199, 2437
 of ornamental plants, 348
 in peaches, 2137
 in potatoes, 768, 794, 795, 1449, 2302, 2303
 in tea, 1098
 in tobacco, 228, 820, 2804
 in tomatoes, 447, 1570, 2412, 2787
Neofabraea malicorticis, 673
Nepeta mussinii, 1628a
Nephantis serinopa, a coconut pest, 2644
 Netherlands East Indies—
 agriculture, 1829, 1830
 coffee improvement, 2592
Hevea growing, 419
 sisal growing, 2570
 New Delhi, sci. Rep. 1944/45, 531c
 New Forest, fruit growing, 1090
 New South Wales—
 apple growing, 1921
 orange rootstock trials, 925
 New York State—
 agric. Exp. Stat. A.R. 1945/46, 2798
 hort. Soc., Proc. 92nd meeting, 2799
 New Zealand—
 asparagus growing, 858
 avocado growing, 950
 Dep. Agric. A.R. 1945/46, 521
 flax—see *Phormium*
 fruit growing, 33
 hop growing, 826
 horticulture, 1154d
 kaki variety collection, 576
 seaweed (*Pterocladia* spp.) for agar, 1409
 snow damage, 1293

New Zealand (continued)—
 tobacco growing, 806, 807, 1469
 vegetable seed production, 33
 vine growing, 33
 Nickel uptake by plants, 1104
Nicotiana—see also tobacco—
rustica, nicotine content, 224, 1101
 tumours of hybrid, 1484
 Nicotinic acid extractions from foodstuffs, 485
 Nigeria—
 oil palm growing, 2640
 potato growing, 2251
 tobacco growing, 2320
Nigrospora sphaerica, 438
 Nitrate—
 estimation by Devarda method, 1907c
 nutrition of plants, a review, 1907a
 Nitrogen—
 deficiency in potato, 2274
 degradation in grass compost, bacterial, 566
 foliage sprays, 647
 losses in horticultural soils, 564
 Nitrogenous constituents of plants, 1907k
Noctuidae, 684
Northern Gardener, a periodical, 522
 Northern Rhodesia, Dep. Agric. A.R. (1945), 1106
 Norway—
 fruit growing, 1094, 1161
 vegetable seed production, 1086
 Nova Scotia, fruit freezing, 1029
 Nursery—
 inspection or certification—
 in Germany, 1180
 in Holland, 1155
 in Sweden, 1181
 irrigation, 1956
 stock fumigation, 2784
 of tropical and sub-tropical crop plants, one-variety, 424
 Nut—see also individual species—
 nutritive value, 1784
 varieties, new, 74b
 Nutgrass (*Cyperus* spp.), 964, 2569
 Nutmeg, 1723, 1812
 Nutrient—
 absorption from soil, 29
 element balance, 23
 solution cultures—see also Soilless cultures—1119-1122
 Nyasaland—
 Dep. Agric. A.R. 1945, 1850
 patchouli oil, 1076
 tung growing, 1667
Nysius vinitor, 275, 726

Ochrogaster contraria, 2449
Ocimum suave, essential oil from, 1819
Oenothera, fruit stimulation in, 1101
 Ontario fruit varieties, 42
Oidiopsis sp. on potato, 2301
Oidium—
 of begonia, 2460
leucoconium, 1159
 sp. of orange, 935
 sp. of potato, 2301
 of vine—see Vine, oidium
Oiketicus kirbyi, 716
 Oil—
 cashew nut shell, 1078
 essential—
 angelica, 236

Oil—essential (*continued*)—
 cinnamon, 1079, 1817
Eucalyptus globulus, 415
 for flavouring, 1815
 geranium, 1816
 industry in Portugal, 1072
 lavender, 1821e
 lemon grass, 1818
Lophanthus anisatus, 2791
Ocimum suave, 1819
 production—
 in Siberia, 2355
 in U.S.A., 2354
 ethereal—*see above*, essential
 formation in plants, 1491
 grape seed, extraction of, 2736
 groundnut, 477, 1084j
 lemon, 1075
 lime seed, 2760a
 oiticica, 1077
 olive, 1931, 2739
 palm, production, 2740, 2741
 palm(s)—
 acids of testa and kernel fats, 1084a
 Angola, 1855
 in Belgian Congo, 957
 cultivation, 2639
 diseases in Belgian Congo, 1000
 Fusarium oxysporum wilt, 1001
 growing—
 in Malaya, 1690
 in Nigeria, 2640
 in South-East Asia, 2572
 patchouli, 1076
 peppermint, 233, 1084d, 1490
 plants—*see also individual oil species*—
Allanblackia stuhlmannii, 1740
Butyrospermum parkii, 2638, 2742
Caesalpinioideae, 1073
Eschscholtzia patinii, 2546
Euphorbia spp., 2546
 in Italy, 833
Lallemantia iberica, 235
 Paraguay palm kernel (*Acrocomia
 sclerocarpa*), 984
 in Russia, 234, 1491
 safflower, 2357
Salvia sclarea, 2546
 tobacco, 480
 sesame, 237, 238
Thlaspi arvense, 532
 production in British Empire, 1084b
 seed plants in Belgian Congo, 1725
 tung, substitute for, 2546
 volatile, from scented grasses, 414
 walnut, extraction of, 2737, 2738
 Okanagan Valley, fruit growing, 2
 Okra (*Hibiscus esculentus*)—
 Fusarium wilt, 516
 mosaic, 959
 Olive—
 beetle (*Argopistes sexvittatus*), 1342
 bud differentiation, 592
 bug (*Teleonemia australis*), 696
 conference, Florence, 1089
 culture, a manual, 2006j
 cuttings, 55, 1183
 Euphyllura olivina, 695
 flowering twice in a season, 593
 fly (*Dacus oleae*), 1347
 grafting on *Ligustrum*, 55
 growing
 in Algeria, 1929
 in Argentina, 41

Olive (*continued*)—
 in California, 1928
 in Morocco, 1930
 growths, excentric, radial, on trunk of,
 599
 oil—
 content and meteorological conditions,
 1931
 extraction, 2739
 oxidase, 1814
 pickling, 478
 soil erosion prevented, 1932
 varieties in Italy, 1948
Verticillium albo-atrum, 683
 water balance, 591
Opidium brassicae, 2331
Omorgus difformis, a parasite of *Grapho-
 litha woebertana*, 1355
 Onion—
 bulb development, 2373
 colchicine and naphthaleneacetic acid
 treatment, 1518
 crossing, 1517
 curing, 264
 extract added to 2,4-D, 2193
 fly, 265, 1521-1524
 growing on Kilimanjaro, 1750
 hail losses, 1520
 manuring, 1519
 neck rot (*Botrytis*), 2791
 seed—
 disinfection, 853, 855, 2374
 production, nitrogenous manuring for,
 1519
 set production, home-grown, 1516
 smut, 855, 2374
 sowing, time of, 1101
 storage, growth substance for, 1145
 sweet Spanish, natural crossing in, 320v
 taxonomy, 2434d
 thrips control, 856, 1629
 topping, 264
 varieties—
 for dehydration, 852
 Yellow Globe, 2791
 weed control, 184
 white rot (*Sclerotium cepivorum*), 854
Oniscus ascellus, a virus vector, 2402
Onopordon tauricum, source of bactericide,
 750a
 Ontario—
 Dep. Agric. A.R. 1945, 523
 strawberry pests, 173b
 tobacco growing, 2781
Operophtera brumata, 2172, 2218
Opuntia dillenii control, 2780
 Orange—*see also Citrus*—
 aluminium stimulates growth, 2503
 bug, bronze (*Rhoecocoris sulciventris*),
 2534
 canning, 2729
 chlorosis, inherited, 933
 Clementine—
 in Algeria, 2466
 fruit fall, sirocco causes, 2514
 girdling, 358
 infertility, 358
 variety, Montréal, 2466
 colour development, oil sprays impede,
 2537
 composition, 2490-2492
 cuttings, 2540
 DDT residue on foliage, 1655
 decay (*Penicillium* spp.), 1032

Orange—*see also Citrus (continued)*
 fruit—
 drop control, 942, 2504
 set on new and old wood, 2487
 green spotting (*Oleocellosis*), 2557
 growing—
 in Algeria, 2474
 in North Africa, 2473
 on saline land, 2475
 harvesting, 2557i
 juice—
 concentrate, storage of, 1043
 dehydration, 474, 2730, 2731
 off-flavour, 2732
 quality, rind blemishes do not
 2509
 vitamin C—
 content, 2729
 retention, 1044, 2728
 leaf—
 composition, rootstock affects,
 and fruit drop, growth sub-
 added to spray oil limit, 942
 manuring, 357, 2477, 2495, 2496
 navel—
 rootstocks, 927
 waterspot, 1647, 2510
 peel—
 anatomy, 2510
 pigment, vitamin A activity of,
 potassium deficiency, 929
 powdery mildew (*Oidium* sp.), 935
 quality, lead arsenate sprays im-
 2507
 quick decline, 932, 1649, 2488,
 2522, 2523, 2557j
 rootstocks—*see also below*, sour
 927, 1636, 2488, 2794
 sanitation, 2508
 scale, red, 1654, 1655
 selenium accumulation, 941
 sour, as rootstock, 527, 1856, 2488
 2522
 stem-end rots (*Diplodia* and *Phoma*)
 459, 1032, 1651, 2528, 2689
 stings in rind discovered by hot
 treatment, 1756
 stomata, density of, 355
 storage—
 dips, 459
 gas, 1761
 thinning, 2494
 tristeza disease, 2488, 2522, 2523
 Orchid(s)—
 for amateurs, 919a
 bacterial leaf spot (*Phytophthora
 sp.*), 336
 pest *Thaenocoris bicolor*, 1617
 propagation, 2787
Oryctes rhinoceros, a coconut pest,
 Oregon—
 apple and pear growing in Hood
 Valley, 1238b, 1238f
 cane fruit pests and diseases, 139
 small fruit—
 breeding, 1240
 growing, 1272a, 1272d-1272f
 soil survey of Dalles orchard area
 strawberry pests and diseases, 13
 Ornamental(s)—
 alpine plants, 1837
 aster yellows in flowering, 2434u
 cuttings of, 1616
 evergreen, bagworm control, 244

SUBJECT INDEX

amental(s) (continued)—
herbaceous perennials in Canada, 1609
plants—
in Delhi Province, 958
diseases, 2462f
celworms of, 348
for Florida, 2784
pests of, 2462f
for Rhodesia, 2665b
vitamin C content of Mexican, 1065
succulents, 1615
trees—
red spider control, 2448
and shrubs—
frost resistance, 1290
in Great Britain, 494, 2766
in Mississippi, 349a
pruning, 2774
in U.S.A., 494
vines, tropical, 2664
robanche—
crenata and ramosa grafting, 813
muteli, on cabbage and tomato, 1403
in tobacco, 1100
smosis, 1154b
kidase of tea, 2755
cythrea spp. on citrus, 2536
achyrina spp., Gammexane controls, 1098
achyrhizus spp., source of insecticide, 1696
cific Northwest—
filbert diseases, 1295
walnut diseases, 1296
cking—
apples, 2666
garden produce with pliofilm, 2667
lemons, 1024
teonia—
the genus, 1841
tree, cuttings, 908
lesteine—
citrus growing, 921
dew in, 1116
flowering shrubs in, 919c
garden plants from, 899
potato diseases, 2300, 2301
vegetation map of western, 1154h
lm(s)—
in Florida, new, 2637
flower-inhabiting weevils, 432
oil manufacture, 2740, 2741
oil-yielding—see Oil palm(s)
pain preparation, 1081, 1676
paya—
chromosome numbers in, 948
cultivation, general aspects, 388, 389,
1676
cuttings, 2540
fruit spotting bug (*Amblypelta lutescens*),
393
growing—
in India, 2789
in Queensland, 391-393
in Tanganyika, 2745
latex production, 392
manufing, 2557f
mosaic, 949, 1856
ring-spot virus, 2787
selection, 387, 1678
sex in, 1677
sterilization by heat, 2700c
tetraploid, 390
variety, Hortus Gold, 1629
vitamin A and C source, 1676

Paratetranychus coiti, 1688
Parsnip, weed control, 262
Parthenium—
argentaum—see Guayule
hybrids, dwarfed, 1689m
Parthenocarp induced—
in fruit trees, 594, 597, 1145
in holly, 1145
in strawberry, 1145
in tomatoes, 509, 595, 596, 869, 1101,
1145, 1568, 1883, 2404
Passion fruit—
interplanted with citrus, 2476
mite (*Tenuipalpus californicus*), 689
potash deficiency, 1645
woodiness virus, 1102
Patchouli (*Pogostemon patchouly*) oil, 1076
Paulacridium vittatum grasshopper, 167
Pea—
aphid control, 739, 2427, 2428
Ascochyta pisi infection, 1096, 1596
breeding, 1105
Bruchidae on, 309
canned—
nutritive value, 1793
sugar and dry solids content, 2748
canning—
maturity studies, 314, 1593
vitamin C retention, 1063, 2709
carotene content, 1063
Colletotrichum pisi, 791
cookability, 2760g
dehydration, 1063, 1069, 1787
growing for freezing and canning, 892,
24341
“hollow heart” of cotyledons, 2434q
manuring, 269, 1578, 1892, 2425, 2798
minor element requirements, 2425, 2426
moth (*Laspeyresia nigricana*), 1096, 1598,
1599
for penicillin production, 2434c
photoperiodic response, 1594
potassium deficiency in sprouts, 1595
proteinase, 482
seed production—
in New Zealand, 33
in Tasmania, 890
seedlings, vitamin C. content, 481
soil, rice hulls improve heavy, 511
Southern, (*Vigna sinensis*), variety
groups, 1608i
storage, frozen pack, 1062, 1063
variety—
description by numbers, 891
trials in Mississippi, 320f
vitamin C content, 1052, 1063, 1767,
2709
weed control, 184
weevil, 529, 1597, 2134
Peach—
blossom thinning, 1981
breeding, 51, 578
bud, pre-blossom fall, 1968
canning, 1084h
cat-facing, 2142, 2229r
catalase activity in leaf, 16
Clasterosporium carpophilum, 634
composition of tree, 602
cover crops, 605, 606, 2000, 2004
delayed foliation, 1159, 2087
dimpling, 2142
Exoascus deformans, 1103
frost—
damage, 650, 1999, 2080

Peach—frost (continued)—
protection, 2077
resistance, 1289, 1291
fruit drop, nitrogen deficiency causes,
1229
fumigation with HCN, 2216
“functional disorder”, 1285
Fusicladium cerasi, 634
under glass, pests and diseases of, 1298
growing—
in England, 1085
in Louisiana, 40
in S. Africa, 1629
in Switzerland, 1925
growth—
influenced by tree size at planting,
2786
substance content, 1208
harvesting, 62
an indicator plant for cherry viruses, 657
leaf curl, 2114, 2115, 2229j
manuring, 62, 1995-2000
marketing in Chicago, 2006h
mildew (*Oidium leucoconium*), 1159
minor elements, toxicity of, 2786
moth, oriental, 737, 2163, 2164
mulching, 2790
nematode control, 2137
oak and hickory plant bug, 1337
packing, 2785
Phyllocoptes fockeui mite, 126
plum curculio, 1353, 2142
pollination, 1963
pruning, 62, 1220, 2080
ripening hastened by growth substances,
457
rootstocks, 1202, 1204, 1205, 1285, 1291,
2791, 2798
rosette disease, 2068
rusty spot, 1303
salt tolerance, 1205
San José scale, 2145
seed treatment with fungicides, 1313
shoot borer (*Sphenoptera laferiet*), 132
stinkbug, 697, 1337, 2142
storage—
cold, 2683
frozen pack, 2711
tarnished plant bug, 1336, 1337, 2142
thinning, 1215, 1981
tomato fruit worm control, 715
tree—
growth—
and composition in nutrient solu-
tions, 61
method of raising affects, 1955
-hopper, inland green (*Caedicia sim-
plex*), 699
varieties—
classification of, 1238a
Fairhaven, 74d
for Illinois, 1945
identification by stone markings, 1179
trials in Washington State, 2006l
winter injury from ultra-violet radiation,
2088
wood analysis, 1997
Peanut—see Groundnut
Pear—
apple hybrids, 577
arching, 1103
bitter pit, 2090
black end, 2785
blight (*Erwinia amylovora*), 115

Pear (continued)—

- breeding, 579, 1101, 1103
- brown rot (*Sclerotinia fructigena*), 666
- budding, 1952, 1953
- canker, 2112
- canning, 1159
- from Caucasus, 1173
- codling moth—see also Codling moth—
2168
- composition, 1176
- cork spot and internal breakdown, 110
- cordon, 1918
- crop failure, causes of, 2056
- delayed foliation, 1159, 2087
- dwarf pyramid, 1918
- espalier, 1976, 1977
- fire blight, 1096
- flooding injury, 110
- frameworking, 1159
- fruit—
 - bagging, 69
 - drop, premature, spraying or dusting
to prevent, 1984
- growing—
 - in Belgium, 39
 - in France, 1922
 - in Michigan, 1238k
 - in Oregon, 1238b, 1238f
 - in Scotland, 1959
 - in U.S.A., 1922
- irrigation, 1219
- juice, tannin precipitation, 529
- manuring, 1992, 1994, 2001
- maturity test, 1017, 1969
- Phytophthora omnivora* rot, 634
- pollination, 1963
- pruning, 1219, 1918, 1974, 1976-1978
- psylla, 737, 1096, 2149, 2807
- ringing, 1221
- ripening, 1989, 2678
- roots, anatomical differentiation from
quince roots, 1210
- rootstocks, 572, 1103, 1167, 1172, 1186,
1200, 1958, 1961
- scab, 155, 508, 1103, 1315
- scald, 1023
- seed, number related to shape of fruit,
588
- spray injury, 155
- stony pit—
 - shield bugs (*Pentatomidae*) cause, 698
 - virus, 1300
- storage—
 - cold, 453, 456
 - gas, 1103, 2679, 2680
 - home, 1017
 - quality affected by hormone spray,
1228
 - ripening, growth substances hasten,
2678
- thrips, 1096
- training, French, at Foots Cray, 572
- tree borer, sinuate (*Agilus sinuatus*), 131
- varieties—
 - Anjou, 1219
 - Bartlett, 2678
 - for bush trees, 49
 - for French Switzerland, 1942
 - hardy, 1935
 - Long Ashton-bred, 1933
 - for standard trees, 48
 - Winter Nelis, 1978
- vegetative fruits, 1970
- vitamin C content, 529

Peat—

- fortified, a substitute for farmyard
manure, 1104
 - soils for vegetable growing, 175
- Pecan—
- boron uptake, 98a
 - cover crops, 2784
 - embryology, 1269
 - filling of nuts, 96, 2050
 - growing in S. Africa, 1268
 - growth substances to control shedding,
97
 - nut casebearer, 1343
 - pests and diseases, 688
 - pollination, 95
 - "salamander" and "gopher" control,
142
 - top-worked, 52
 - transplanting, 1270
 - weevil (pecan nut casebearer), 1343
- Pectin of apple, 2724
- Pelargonium, geranium oil from, 1816
- Penicillin—
- for crown gall, 2196
 - as a fungicide, 747
 - growth substance content of, 546
 - peas, medium for production of, 2434c
 - pear and walnut blight not controlled by,
115
 - for plant disease control, 509
- Penicillium—
- digitatum*, 1032
 - expansum* rot of apple, 1018, 2674
 - italicum*, 1032
 - spp., citrus fruit rots caused by, 360
 - in vine, 2125
- Peninsula Horticultural Society, Trans.
1945, 1851
- Pennisetum purpureum*, 977
- Pennsylvania—
- agric. Exp. Stat. A.R. 1945/46, 1112b
 - State hort. Ass. Proc. 88th ann. Meet.,
1852
 - strawberry growing, 86
- Pentaploid plants, 1167, 1169
- Pentatomidae* on pear, 698
- Pentatrachopus fragariae*, 661
- Pentilioforma impressopunctata*, 1729
- Pepper—
- black (*Piper*)—
 - analysis, 1855
 - cuttings, 955
 - from Sierra Leone, 1724
 - red (*Capsicum*)—
 - damping-off, 2352
 - growing in Algeria, 2353
 - mosaic, 832
 - seed—
 - disinfection, 2235
 - storage, 182
- Peppermint—see also Mint—
- oil, 233, 1084d, 1490
 - photoperiodic reaction, 1414
 - Verticillium* wilt, 830, 831
- Periconia* sp. on cassava, 400
- Perilla—
- nankinensis*, photoperiodic reaction,
1134-1136
 - ocymoides*—
 - chlorophyll accumulation, 258
 - cuttings, 1614
- Periodicals, new, 518, 522, 1848, 2783,
2802
- Periwinkle, crown gall, 1308

Peronospora—

- brassicae*, 2387
 - manchurica*, 889
 - parasitica*, 2386
 - tabacina*, 1485
- Persea schiendiana* for avocado breeding,
2552
- Persimmon, Japanese, see Kaki
- Persoonia* spp., source of bactericide, 663
- Peru, gardens in, 898
- Pest(s)—see also individual pests and
hosts—
- common names of British insects and
other, 1323
 - control—
 - biological, 508, 516, 965, 2197
 - in England, 687
 - in gardens, 1823
 - in Germany, 1366
 - in orchards, 100
 - incidence, computing of, 686
 - of ornamental plants, 2462f
- Pestalotia* sp. on tea, 1102
- Peziza* culture, 2430
- Phalaenidae*, 1395i
- Phalaenopsis* sp., bacterial leaf spot, 336
- Phaeosolus lunatus*, HCN content, 2659
- Phenological observations on fruit crops
in Holland, 1206
- Phialophora* wilt disease of carnation, 2775
- Philaenus leucophthalmus* on strawberry,
1333
- Phloridzin from apple seed, 596
- Phylactinia rubigalis*, 737
- Phoma—
- betae*, 849
 - boehmeriae*, 1466
 - citricarpa*, 2530
 - lingam*, 863, 1102, 1532
 - solanicola*, 791
 - sp. on flax, 209
- Phomopsis—
- citri*, 459, 1032, 1651, 2527, 2689
 - on tea, 1102
- Phormium fibre, 802, 1467
- Phosgene evolution from DDT, 2226
- Phosphatase in citrus fruit, 2734
- Phosphate deficiency in potato, 2273
- Phosphorus—
- determination in plants, 568b, 1907h
 - magnesium relationship, 1281
 - nucleic acid, estimation in plants, 31h
 - radioactive, in soil and plant research,
1907b
- Photography, infrared, 489
- Photometry, flame, for K and Na deter-
mination, 1125
- Photoperiodic response—see also par-
ticular crops and plants—
- light quality affects, 1134
 - transmission of, 1135, 1136
- Photoperiodism, a review, 503
- Photosynthesis, modern concepts, 31c
- Phthorimaea operculella*—see Potato tuber
worm
- Phylactophaga eucalypti*, 139
- Phyllactinia*—
- corylea*, 1295
 - suffulta* on lilac, 791
- Phyllocoptes*—
- fockeui* mite on peach and plum, 126
 - gracilis* on loganberry, 692
- Phyllometry of fruit and forest trees, 600
- Phyllosticta* leaf spot of apple, 634

- Phytomyza peruviana*, 615
Phytosporos perseae on mango, 1456
Phytomonas—
angulata, 817
asplenii, 338
cattleyae, 336
maculifolium-gardeniae, 334
pruni, 664
tabaci, 817
Phytomyza atricornis on cineraria, 333
Phytophthora—
cambivora, 630, 632
cinnamomi, 951, 1686, 2556
erythroseptica, 784, 2461
infestans—see also *Potato and Tomato*
 blight—784, 786-789, 1102, 2410
omnivora rot of pears, 634
palmivora, 1720
parasitica of sago, 2351
 root rot of citrus, 1637
 rot of potato, 895g
Piassava processing, 1855
 Pigment destruction by nitric acid, 31i
 Pimiento seed, susceptibility to creosote, 1411
Pimpa pomorum, a parasite of apple blossom weevil, 701
 Pineapple—
Ceratostomella—see below *Thielaviopsis*
chlorophyll: protein ratio, 2655
 composition, 2653, 2654
 flowering induced, 955, 956, 1012, 2652
 growing—
 in Brazil, 443
 in Jamaica, 1013
 in New South Wales, 442
 growth substance content, 2651
 leaf histology, 445
 manuring, 524, 1629, 2653, 2654
 market trends, 444
 mealybug, 2657
 nitrogen manuring affects composition, 2653, 2654
 soil fumigants, injection apparatus for, 1014
 storage, 524
Tecla echion on, 443
Thielaviopsis paradoxa diseases, 443, 446, 2656
 varieties in S. Africa, 1629
 wild and cultivated in Venezuela, 1011, 2650
 Pinks, old, 919b
Piper—see *Pepper*, black
 Pirus—
baccata mandshurica, 1198, 1199
communis, 1172
cordata, a pear rootstock, 1961
 spp. stone cells in fruits of 1971
ussuriensis, 1172
 Pistachio nut, rootstocks, 1271
 Plant(s)—
 associations in Belgium, 9
 composition, an index to nutritional status, 1827
 geography of cultivated, 8
 names, etymology of, 1833
 protection in Argentina, 99
 systematics, 2762
 tissue decomposition, 31a
 Plantain—
 bunchy top disease, 2780
 flour, 2749
 Planting holes, in Amazon Valley, 1692
Plasmopara viticola—see *Vine*, mildew
Platypraea poeciloptera, 266
Platytypus compositus on citrus, 939
 Pliofilm for packing garden produce, 2667
 Plough for horticulture, a wind-drawn, 568a
 Plum(s)—
 beetle mite, 1329
 black peach aphid control, 129
 breeding, 1934
 canning, 1159, 2785
 chilling required in warm climate, 2087
 curculio, 1346
Dicercia horni injury, 1395b
 frost resistance in, 1934
 under glass, pests and diseases of, 1298
 growing—
 in Missouri, 74e
 in Scotland, Victoria, 1959
 leaf blotch (*Polystigma rubrum*), 121
Macropsis spp. on, 1395t
 manuring, 1989
 organic acid in, 2707
Phyllocoptes fockeui mite, 126
Phytonomas pruni on budwood controlled by streptomycin, 664
 pollination, 1963
 potato leafhopper, 173a
 red spider, 1103, 2139
 rootstocks, 1167, 1186, 1200, 1202
 rust, 667, 676
 sawfly, 140, 1103, 1357, 2181, 2182
 soil drainage, 1235
 storage, 1759, 2682, 2683
 twisting of stem, 598
 varieties, Long Ashton-bred, 1933
Plusia gamma, 763, 1536
 Plutella—
cruciferarum, 272
maculipennis—see *Cabbage*, diamond-back moth
Podospaera—
leucotricha, 1103
oxyacanthae, 1113
Pogostemon patchouly oil, 1076
 Poison ivy, 718, 719
 Poland, agriculture in, 1864
 Pollination—
 by aeroplane, 1964
 apple, 1963-1965, 2807
 cacao, 413
 cherry, 1963, 1964
 of fruit trees by bees, 57
 guayule, 244, 1507
 mango, 1736
 melon, 1552
 pecan, 95
 vine, 1259
Polychrosis botrana, 137
Polynema striaticorne, parasite of the Buffalo tree hopper, 700
 Polyplod—
Fragaria hybrids, 98b
 plants, physiology of, 13
 Polyplodity—see also *Tetraploid*—
 in bulbs, compressed gases induce, 916
 fungicide induces, 749
 seed treatment with colchicine to induce, 552
Polyspora lini, 207, 208
Polystigma rubrum, 121
 Pomegranate—
 growing in North Africa, 2551
 ovule development, 1689k
 Pomological instruction, 36
Popillia japonica—see *Japanese beetle*
 Poppy, opium, without opium, 240
Populus diversifolia, propagation, 340
 Portugal—
 chestnut growing, 630, 632
 essential oil industry, 1072
 Potash—
 deficiency—
 in apple, 1233, 2064, 2066
 in beans, 1989
 in citrus, 1645
 in orange, 929
 in passion fruit, 1645
 in pea, 1595
 in potato, 2273, 2275
 in vanilla, 2609
 in vines, 1989
 manuring—see also *particular crops*—of small fruit, 1242
 Potassium determination, 1125
 Potato—
 alcohol from, 2760b
Alternaria blight—see below under blight—
 aphids, 793, 1412, 1443, 2249, 2283-2287
 autumn, growing of, 2434z
Bacillus—
polymyxa, 780
solaniperda, 2291
 bacterial—
 lenticel infection (*Erwinia carotovora*), 1446
 wilt (*Xanthomonas* and *Bacterium solanacearum*), 781, 811, 1102, 2252, 2296
 berry morphology, a taxonomic guide, 2257
 big bud disease, 198
 blackening of boiled, 1424, 2275
 blight—see also *Alternaria solani* and *Phytophthora infestans*—
 control, 756, 788, 789, 792, 800, 1102, 1412, 1452-1455, 2242, 2249, 2299, 2300, 2539, 2784
 forecasts, 786
 resistance, 1451, 2294, 2298, 2787
 strains of, 2295, 2297
 susceptibility, inheritance of, 787
 bolting, 1101
 boron content, 196
 breeding—
 for blight resistance, 1934, 2258, 2296
 methods, 1608o
 in Sweden, 2254
 sterility control in, 192
 calcium deficiency, 2273, 2274
 CO₂ accumulation in, 1434
Cercospora concors, 791
 climatic requirements, 1415, 1416
Colletotrichum solanicolum, 791
 Colorado beetle—see *Colorado beetle*
 composition, 188, 189
 copper increases chlorophyll, 1139
 cultivation, a manual, 1861b
 curly-dwarf virus, 1440
 curly-top virus, 2281
 cuttings, 2269
 dehydrated, storage, 1053
 dehydration, 470, 1068, 1787-1789, 2716
 digger, elevator, 520
 diseases, 799, 1435

Potato (*continued*)—
 dormancy—*see also below*, sprouting—
 breaking, 770, 1419, 1439, 2262, 2263
 prolonged—
 by CO₂ storage, SO₂ or ethylene,
 1763, 2264, 2265
 by growth substance treatment, 463,
 801, 1145, 1419, 1421, 2267
 dry matter content, 1608p
 dry rot (*Sclerotium rolfsii*), 790
 ecology, 765
 flea beetle control, 203, 2249
 fungicides for, 1460
Fusarium—
caeruleum, 2291
 seed piece decay, 1450
 growing—
 in Algeria, 1608b
 in Cyprus, 2250
 in East Africa, 1701, 2776
 in India, 1822
 in Missouri, 2434j
 in Nigeria, 2251
 in Poland, 1864
 in Rhodesia, 895j
 in Scotland, 2247, 2295
 in Tanganyika, 2252
 in Transcaucasian subtropics, 1417
 growth, maturity and yield, 1418
 growth substance—*see also above*,
 dormancy—
 content of virus-diseased, 771, 772,
 895i
 treatment, yield or starch content not
 affected by, 191
 gummosis, 2291
 harvesting, 2276
 haulm destruction, 1430, 1431, 1433,
 2249, 2277, 2278
 hollow heart, 778
 irrigation, 2249, 2434x
 leafhopper, 173a, 792
 leaf roll, 1096, 1412, 2249, 2280, 2283,
 2288
 magnesium deficiency, 2273, 2274
 manganese toxicity, 2273
 manuring, 1412, 1413, 1425-1429, 1989,
 2270-2273
 manuring, bacterial, 7
 mosaic, 895e, 1096, 2289
 moth—*see below*, tuber worm
 mycorrhiza and tuber formation, 1876
 nematodes, 768, 794, 795, 1449, 2302,
 2303
 net necrosis, 1442
 niacin content, 1054
 nitrogen content, 2274
 origin of, 764
 pest control with DDT, 203, 800,
 1460-1462, 2316
Phoma solanica, 791
 phosphate deficiency, 2273
 photoperiodic reaction, 764, 1414
Phytophthora rots—*see also above under*
 blight—895g
 planting in summer, 2261
 potash—
 deficiency, 2273, 2275
 manuring, 1429
 powdery mildew, 2301
 propagation—*see also below*, seed—
 by seed, 1420
 vegetative, 2266, 2268, 2269
 proteins, 2710

Potato (*continued*)—
 psyllid, 200, 1608w
Pythium rot, 784, 785
 quality, site affects, 1423
 ring-rot (*Corynebacterium sepedonicum*),
 779, 1096, 1445, 1447, 1448, 2249,
 2292, 2293
 rotting, *Bacillus subtilis* causes, 11
 saccharose: monose ratio indicates water
 requirements, 1141
 scab, 190, 783, 1412
 seed—
 certification, 2248
 disease control, 768
 growing—
 in Belgium, 1443
 isolation beds for, 2256
 in Quebec, 769
 in South Africa, 1456
 in Switzerland, 193, 2255, 2284
 storage, 462, 1096, 1432, 2261-2267,
 2693
 virus detection, 770
 sports, 2274
 spotted wilt virus, 2290
 sprout—
 decapitation, 767
 nitrogen nutrition, 766
 spindling, 200
 sprouting, 1412
 sprouting method of growing, 194
 starch synthesis, 1422
 stem—
 end browning, 199, 1412
 necrosis (*Actinomyces scabies*), 782
 streak necrosis, excessive manganese
 causes, 1436
 storage—*see also above*, seed, storage—
 195, 463, 801, 1035, 1145, 1433,
 1434, 1608a, 1763, 2692-2695, 2785
 sweet—*see Sweet potato*
 thiourea dip for size control, 1412
 tuber—
 rots in Tasmania, 784
 worm (*Gnorimoschema* and *Phthorimaea*
operculella), 201, 202, 798, 821, 822,
 1457, 1463, 1845, 2314, 2315
 underwater weight, 1429
 utilization of surplus, 1807
 varieties—
 Craig's Bounty, 2294
 Green Mountain, 199
 Polish and Colorado beetle, 797
 Royal Kidney, 2289
 in Sweden, 1608r
 in Switzerland, 1608j
 in U.S.A., 2253
 veinbanding virus, 895f
 vernalization, 767, 1417, 2259
 virus—
 aphid population in relation to, 1443
 B, 1441
 C and Y, 774
 diseases, 197, 1438, 1439
 -free, selection of, 2280
 research in Sweden, 2254
 serological method of study, 1437,
 1444
Solanum, 2, 773
Solanum, 3, 2279
 transmission, artificial fertilizers do
 not favour, 2272
 vector, aster leafhopper, 775, 776
 X, 777, 816, 2282

Potato—virus (*continued*)—
 yellow-dwarf, 895f
 yellow-top, 1440
 vitamin C content, 1055, 1767
 wart disease, 1449, 2255
 weed control, 1412
 yields, 1744, 1989, 2260
 Potchefstroom, bean experiments, 2414
Potentilla sterilis, a strawberry virus
 carrier, 661
Pratylenchus pratensis, 820, 1098
 Preservation—
 freezing—
 a manual, 501
 quick—*see particular crops under*
 storage, frozen pack and Storage,
 frozen pack
 a review, 2701
 Preservatives, antibiotic effect of certain,
 1033
Primula—
malacoides, 529
obconica, a tobacco virus carrier, 1481
petiolaris, seed germination, 2462d
 Processing—*see also particular crops*—
 citrus, 2701, 2703
 fruit, a review, 2701
 vegetables, a review, 2701
Prontaspis citri, 1855
 Propagation—*see also under plants and*
processes—of fruit trees, age of
 mother tree determines develop-
 ment of progeny, 1182
Protoparce quinque maculata, 1577
 Prune—
 delayed foliation, 1159
 irrigation, 611
 Italian, as indicator host for cherry
 viruses, 657
 manuring, 1998
 "sparse leaf", 2094
 Pruning—
 apple, 1094, 1217, 1918, 1974-1976
 avocado, 1684, 1689b, 2554
 blackberry, 2013
 citrus, 931, 1643
 fruit tree, 1216, 1217
 ornamental trees and shrubs, 2774
 peach, 62, 1220, 2080
 pear, 1219, 1918, 1974, 1976-1978
 quince, 1979
 rose, 349c
 tea, 1850, 2578, 2580
 vine, 1159, 2038, 2039, 2084
 wounds, dressings for, 68, 1974
 Prunus—
 avium, tetraploid, 1177
 cerasus, types of, 1944
 davidiana, a rootstock for peach, 1285
 divaricata, 46
 laurocerasus, respiration, 1619
 nigra, 1178
 rootstocks, 1957
 sibirica, a plum rootstock, 1167
 spp.—
 cross pollination, 1943
 plum rust on, 676
 Tranzschelia pruni-spinosae, 676, 2229p
 triloba plena, wood borers attacking,
 1355
Psalliotia arvensis, 893
Pseudococcus—
comstocki, 128
kenyae, 1102

SUBJECT INDEX

- Pseudomonas*—
angulata, 1482
campestris, 863
cerasi var. *prunicola*, 114
medicaginis, 887
mors prunorum, 1947
ribicola n.sp., 912
syringae, 940, 2555
tabaci, 1482
tumefaciens—see Crown gall
Pseudoperonospora—
cubensis, 1558, 2399, 2400
humuli, 230
Pseudopeziza—
ribis, 124
tracheiphila—see Vine, "rote Brenner"
Psidium guajava—see Guava
Psila rosae—see Carrot fly
Psylla—
costalis, 634
mali, 13951, 2218
pyricola, 737
Psyllid, potato, 200, 1608w
Pteris longifolia, response to growth substance, 545
Pterocladia spp. for agar production, 1409
Pterostichus melas italicus, predacious on Colorado beetle, 796
Pterygospermin, a bactericide, 750t
Prinus rectus, 735
Puccinia—
antirrhini, 907
pruni-spinosae, 667
Puerto Rico—
coffee soil conservation, 409
Dep. Agric. and Commerce, A.R. 1943/44 and 1944/45, 1853
guava growing, 2665h
Inst. trop. Agric. A.R. 1944/45 and 1945/46, 1107, 1108
weed control, 1699
Pumpkin varieties in Tasmania, 2395
Purdue Univ. agric. Exp. Stat., Indiana, A.R. 1945, 2790
Pythiacystis citrophthora, 940
Pyralid moth on vine, 2197
Pyrethrum—
growing—
in Belgian Congo, 171
in Ceylon, 2780
in Kashmir, 2563
in Kenya, 2564
in Kumaun, United Provinces, 169
in Turkey, 170
propagation, 1102
Ramularia bellunensis disease, 2564
wilt and crown rot (*Sclerotinia* spp.), 1102
Pyridoxine for sunflower tissue culture, 809
Pythium—
aphanidermatum, 2351
debaryanum, 2336
ultimum, 784, 785, 2388
in vegetables, 2236
Quebec pomol. and Fruit growing Soc., A.R. 1944, 1945 and 1946, 2800, 2801
Queensland—
Acclimatisation Soc. A.R. 1945/46, 525
Dep. Agric. A.R. 1944/45, 524
grape growing, 2023
horticultural experiment stations, 1691
lettuce growing, 276
Queensland (continued)—
navy bean growing, 882
papaya growing, 391-393
Seed Acts and Regulations, 1871
tomato growing, 294, 295
Quick decline—see Citrus and separate citrus crops
Quince—
browning of the flesh, 634
pruning, 1979
roots, anatomical differentiation from pear roots, 1210
Radiation, mitogenetic, 1128
Radio-active elements, fertilizing with, 1132
Radish—
cabbage root fly, 2391
photoperiodic reaction, 1135, 1514
seed production in Sweden, 263
tetraploid, 1101
vitamin C content, 1514
Rain, clouds stimulated to produce, 1129
Raisin—see Vine, raisin
Ramic (*Boehmeria*), 214-216, 1465, 1466, 2318, 2760k
Ramularia bellunensis, 2564
Rape growing in Canada, 174
Raspberry—
-blackberry-loganberry cross, 2012
canning, 2779
diseases—
in Canada, 1297
in New Zealand, 508
frost—
protection, 2081
resistance, 76, 77
growing—
in Holland, 75
in Scotland, 2009
inspection and certification, 2009
manuring, 508, 2010
mulching, 607, 613
potash content of leaf, 1242
propagation, 2009
selection, 98c
soil requirements, 612
varieties—
East Malling, 2779
fruit composition, 1241
Latham, 76, 77
Lloyd George, 2011
Willamette, 1240
virus disease, 2096, 2097
Rat control, 1395p, 1762
Red currants—see also Currants—
fruit analysis, 2014
leaf spot (*Pseudopeziza ribis*), 124
leaves, a source of vitamin C, 1775
Red spider (*Tetranychus telarius*, *Paratetranychus pilosus* and others), 127, 135, 136, 509, 690, 691, 708, 709, 711, 737, 1096, 1103, 1324-1328, 1393, 1689j, 1852, 2138-2140, 2180, 2218, 2229d, 2448, 2807
Red spider control by selenium, 323, 324, 2438
Report—see also Annual Report—
on agricultural and horticultural institutes in U.K., Interim, 2797
Bermuda Dep. Agric., Plant Pathologist, 1845
Buitenzorg Exp. Stat. 1942/43 and 1942/45, 506, 507
Report—see also Annual Report (continued)—
Delhi, Ont., Dominion Exp. Stat. 1937/45, 2781
on education, higher, in England and Wales, 2796
Hop Growing Conference 1946, 530
imp. agric. Res. Inst. New Delhi, scientific 41/44, 1100
Moscow State Plant Breeding Stat., scientific 1939/42, 1105
New Delhi, Scientific Reports 1944/45, 531c
Rothamsted Exp. Stat. 1939/45, 1109
Royal Soc. Emp. Conf. London 1946, 1854
Soils Irrig. Extens. Service, Griffith N.S.W., 510
Respiration—
copper affects, 1138
plant, function of, 14
of storage tissue, 1140
Reviews—
Anley, G., Irises. Their culture, 487
Brooke, J., Peach orchards in England, 1085
Bush, R.—
Fruit growing out-doors, 488
Harvesting and storing garden fruit, 2761
Chevalier, A., Les caféiers du globe, 2665d
Ciferri, R., La sistematica delle piante. Tomo I. Parte generale, 2762
Clark, W., Photography by infrared, its principles and applications, 489
Copley, G. H., Garden pests and diseases, 490
Cormean, P., L'arboriculture au Katanga, 2763
Cruess, W. H., The principles and practice of wine making, 491
Dutt, C. P., and Pugh, B. M., Farm science and crop production in India, 1822
Faulkner, R. P., Commercial horticulture in greenhouse and nursery, 2764
Fox Wilson, G., The detection and control of garden pests, 1823
Frisak, A., Frøavl av grønnsaker og rotvekster, 1086
Garner, W. W., The production of tobacco, 1824
Gäumann, E., Pflanzliche Infektionslehre, 492
Genders, R., Chrysanthemums for pleasure and profit, 1825
Genevois, L., and Ribereau-Gayon, J., Le vin, 1826
Goodall, D. W., and Gregory, F. G., Chemical composition of plants as an index of their nutritional status, 1827
Gough, H. C., A review of the literature on soil insecticides, 493
Griffiths, E., Methods of measuring temperature, 2765
Hadfield, M., Garden books for the amateur, 1828
van Hall, C. J. J., and van de Koppel, C., De landbouw in den Indischen archipel. Deel 1, Algemeen gedeelte, 1829

SUBJECT INDEX

Reviews (continued)—

- van Hall, C. J. J., *Insulinde de inheem-
sche landbouw*, 1830
- Hayes, W. B., *Fruit growing in India*,
1831
- Herklots, G. A. C., *Vegetable cultivation
in Hong Kong*, 1832
- Hills, L. D., and Haywood, E. M., *Rapid
tomato ripening*, 495
- Jackman, G. R., and Bush, F. A.,
*Shrubs and trees for everyman's
garden*, 2766
- Johnson, A. T., and Smith, H. A., *Plant
names simplified*, 1833
- Jones, W. N., *Quimeras vegetales e
hibridos de injerto*, 1861a
- Jouis, E., Le Graverend, E., and Régnier,
Les vergers de grand rendement,
2767
- Kolisko, E., and Kolisko, L., *Agricul-
ture of to-morrow*, 496
- Kunz, J., *Der erfolgreiche Pflanze*, 1087
- Lowson, J. M. (Howarth, W. O., and
Warne, L. G. G.), *Textbook of
botany*, 497
- McMillan, R. C. (and Caithness, A. J.),
planting for, 2768
- Manaresi, A., *Trattato di viticoltura*,
1834
- Massibot, J. A., *La technique des essais
culturaux et des études d'écologie
agricole*, 2769
- Ministry of Agriculture, London, *National
farm survey of England and
Wales (1941-1943). A summary
report*, 1835
- Morris, T. N., *Principles of fruit
preservation*, 1088
- Osvald, H., and others, *Försök rörande
kampen mot ogräset*, 1836
- Phillips, G. A. R., *The rock garden and
alpine plants*, 1837
- Quigley, H., *New Forest orchard*, 1090
- Reale Accademia dei Georgofili, *Con-
vegno di studi olivicoli*, 1089
- Rebour, H., *Les agrumes*, 498
- Remington, J. S., *The manure note book*,
1838
- Robert, P., *Les agrumes dans le monde*,
2770
- Royal Horticultural Society—
Daffodil and tulip year book for 1946,
1091
- The lily yearbook for 1946, 1092
- Rhododendron handbook, 2771
- The rhododendron yearbook for 1946,
1093
- Seabrook, W. P., *Modern fruit growing*,
2772
- Skard, O., *Norsk fruktdyrkning*, 1094
- Skovgaard, K., and Pedersen, A., *Survey
of Danish agriculture with a supplement
on Danish horticulture*, 1839
- (Sprygin, I. I.), *Medicinal plants of the
Penza province (Russian)*, 499
- Steer, W. H., *Laurie's gardening
encyclopaedia*, 2773
- Steinhau, E. A., *Insect microbiology*,
1840
- Stern, F. C., *A study of the genus
Paeonia*, 1841
- van der Straeten, E., *L'Agriculture et les
industries agricoles au Congo belge*,
500

Reviews (continued)—

- Tansley, A. G., *Introduction to plant
ecology*, 1095
- Thompson, M., *Pruning and planting
guide for the amateur gardener*, 2774
- Tressler, D. K., and Evers, C. F., *The
freezing preservation of foods*, 501
- Venkeler, J., *Rekba-cultuur*, 1842
- West Midland Group on Post-War
Reconstruction and Planning, Eng-
lish county, a planning survey of
Herefordshire, 502
- Whitehead, G. E., *Gardening for
pleasure*, 1843
- Whitehead, T., McIntosh, T. P., and
Findlay, W. M., *The potato in
health and disease*, 1861b
- Whyte, R. O., *Crop production and
environment*, 503
- Woolman, J., *Chrysanthemum culture*,
1844
- Rhagoletis pomonella*, 37, 2161
- Rhizobium radicicolum*, 1307
- Rhizoctonia*—
solani, 2352
in vegetables, 2236
- Rhodesia—
Government Forest Nursery, Salisbury,
2665j
ornamentals for Southern, 2665b
potato growing, 895j
tobacco growing, 810-812, 1106, 2758
- Rhododendron—
grafting, 910
handbook, 2771
intercellular spaces in, 330
yearbook for 1946, 1093
- Rhoeocoris sulciventris*, 2534
- Rhopalosiphum*—
conii, 2434g
rufomaculatum, 737
spp., 2229o
- Rhubarb—
crown rot (*Pythium* spp.), 2388
dormancy breaking, 1546
forcing, 1545
oxalic acid content, 1544
- Rhus radicans*, 718, 719
- Rhynchites germanicus*, 2157-2159
- Rhynchophorus ferrugineus*, a coconut pest,
2644
- Ribes aureum*, bacterial spot, 912
- Ricinus communis*, photoperiodic reaction,
1134
- Ringings—
apples, 1222, 1223
citrus, 2489
pears, 1221
- Roach injection method of diagnosing
mineral deficiency, 636
- Rock gardens, 1837
- Rodolia cardinalis*, parasite of a citrus scale
insect, 1652
- Root—
crops, cruciferous, summer killing of
seed stock plants, 180
cuttings of fruit trees, 1186
grafting of fruit trees, 1185
growth—
in dry soil, 1877
growth substances affect, 1883
tissue separated from gravel, 1506
- Rooting medium, Vermiculite (Exflor),
1949

- Rootstock(s)—see also particular plants—
breeding for frost resistance, 649
for citrus, 514, 924, 930, 2471, 2481-2485,
2488
colour test for citrus seedling identifica-
tion, 1635
for deciduous fruits, 1238h
East Malling—see also Apple rootstocks
—1102, 1959
-scion—
effect, role of mineral nutrition, 1962
relationship in citrus, 2488
seedling, uniformity in, 1187
- Rosa—
manetti and *R. multiflora* as rose root-
stocks, 325
spp., vitamin C content, 1067, 1604,
1605
- Rose(s)—
black spot (*Diplocarpon rosae*), 152, 329
in Hindu Kush, 919f
hip products, vitamin C content, 1785
light intensity determines growth of
greenhouse, 327
manuring, 327, 1989
photosynthesis of greenhouse, 326
pruning of greenhouse, 349c
red spider, 1328
rootstocks, 325, 2451
sawfly, leaf-rolling (*Blennocampa pusilla*),
2462i
soil amendments for greenhouse, 328
transplanting, 2452
rose variety trials at Aalsmeer, 2775
vitamin C content, 836, 1067, 1604,
1605, 2431
watering with growth substances, 2452
- Rothamsted Exp. Stat. Report 1939/45,
1109
- Rozelle (*Hibiscus sabdariffa*) preserves,
2760h
- Rubber—
determination in plant tissue, 895k
latex globules, 2759
- Rubber (Hevea)—
bat damage, 422
budding, 420, 2618
clones in Ceylon, 421, 1097
covers for, 991
cuttings, 955, 2619
Dartnield experiments, 420
growing—
in Belgian Congo, 957
in Costa Rica, 2805
in Netherlands East Indies, 419
land clearance for, 992
latex—
composition, 2665t
preservation, 1820
leaf blight, South American, 2616
manuring, 420, 1732, 2620
packing, 2621
pink disease (*Corticium salmonicolor*),
2622
planting distance, 990
polyembryony, 2617
Research Bd of Ceylon, Report on work
1945, 1097
H. rigidifolia, 2616
seed, clonal, 2618
selection, 2620
sodium arsenite for poisoning old trees,
1731
tapping systems, 420, 1730

SUBJECT INDEX

- Rubber (other than *Hevea*)—
Asclepias, 843, 844, 895h
Carisseae, 954
Cryptostegia grandiflora, 993, 1510, 1511
Funtumia, 2776
guayule—see Guayule
kok saghyz—see Kok saghyz
krym saghyz pests, 1505
Landolphia, 1097, 2776
Manihot glaziovii or *ceara*, 2776
production in Australia, 1496
tau saghyz, 1501, 1503
Rubiaceae, *Hemileia* spp. on, 1754c
Rubidium content of plants, 24
Rubus—
mohácsyanus, a loganberry, blackberry,
raspberry cross, 2012
trichomallus, -youngberry hybrids, 2805
Rudbeckia bicolor, photoperiodic reaction,
1135
Russia—see U.S.S.R.
Rutabaga, boron increases vitamin C
content of root, 187
Rutin, *Forsythia* spp. a source of, 1607
Rye as a cover crop, 2004
Sabadilla—see Sprays, insecticides
Safflower growing in France, 2357
Sage, root rot, 2351
Sahlbergella singularis, 411, 1714, 1720
Saintpaulia, leaf spot, 349b
Saissetia nigra control, 2450
Salsola spp., alkaloid accumulation, 1494
Salt tolerance of plants, 1891
Salvia—
officinalis, 2351
scclareae oil, a tung oil substitute, 2546
San José—
Island, vegetation of, 395
scale, 529, 573, 693, 694, 2145-2147
Sand culture—see also Soilless culture—
1901, 2060
Saperda candida apple pest, 130
Sapotaceae—
hosts of *Anastrepha serpentina*, 1664
North American, 1015a
Scale—see also San José scale—
Bourbon (*Aspidiotus destructor*), 2229b
insects, winter treatment, 2148
Schistocerca gregaria, 750q
Schizandra chinensis, 1869
Scilla non-scripta, 1133
Scirtothrips signipennis, 440
Sclerotinia—see also *Monilia*—
fructicola, 153, 154
fructigena, 666
gladioli, 344
laxa, 1103, 1322, 1947
sclerotiorum, 185, 2382
serica, 2442
sp. causing mummy berry of blueberry,
120
spp. on *Pyrethrum*, 1102
Sclerotiniaceae, 117
Sclerotium—
bataticola, 784
cepivorum, 854, 2378
rolfsii, 790, 1612, 2131, 2407
Scopolia caucasica, a medicinal plant, 1493
Scotland—
potato growing, 2247, 2295
raspberry growing, 2009
strawberry growing, 2009
top fruit growing, 1960
Scottish Agriculture, 2802
Seaweeds of North America, 2432
Seed(s)—
Acts and Regulations in Queensland,
1871
colchicine treatment of, 552
disinfection, 183, 207, 209, 212, 213, 847,
853, 855, 872, 1096, 1313, 1407,
1522, 1523, 2235, 2336, 2374
embryoleess, of *Umbelliferae*, 179
extraction with hydrochloric acid,
1905
germination—
cathode lighting for, 1616
2,4-D affects, 1153
tetrazolium for testing, 1906
vegetable, 2234
hormonizing, 543
production—
cabbage, 267, 862, 2382, 2780
cauliflower, 1539
flower, 1102, 1846
isolation requirements, 1103
onion, 1519
peas, 890
radish, 263
root crops, 180
tea, 1633
vegetables, 33, 180, 181, 1086, 1102,
1629, 1846, 2233, 2778
storage, 182
viability, 900
weevil for gorse control, 508
weight of vegetables, 1402
Seedlings, vermiculite (Exflor) for raising,
1949
Selaginella, for packing budwood, 1829
Selenium—
accumulation, 941
for pest control, 323, 324, 941, 2438,
2439
Senegal, citrus growing, 2472
Septoria—
apii, 2393
gladioli, 344, 1626
lycopersici, 2410
Serdang, Malaya, Central Experiment
Station, 2560
Sericulture, 1926, 1927
Sesamum—
Antigastra pest, 26650
indicum, 237, 238
nicotinic acid content, 485
Sesbania cinerescens as a shade plant for
tea, 1098
Sewage, growth substance content, 544
Seychelles, cinnamon oil, 1079, 1817
Shade tree—see also particular crops and
plants—
Conference, National Combined Proc.,
18th meeting, 2808e
red spider control, 2448
Shallot—
aphis, a virus vector, 2377
white rot (*Sclerotium cepivorum*), 2378
size at planting and spacing, 2376
taxonomy, 2434d
Shelf culture, 1842
Sherry manufacture in Russia, 473
Shrubs—see also Ornamental(s)—
flowering, in Palestine, 919c
ornamental, in north-eastern U.S.A. and
Great Britain, 494
Siaoyutsai (*Brassica chinensis*), 1530
Siberia—
Digitalis purpurea growing, 1414
essential oil crops, 2355
fruit growing, 7, 1165
peppermint growing, 1414
potato growing, 1414
Prunus nigra, 1178
soybean varieties, 7
Sierra Leone—
black pepper, 1724
Dep. Agric. A.R. 1945, 1855
Silicon and plant growth, 757
Silver leaf in fruit trees, 123, 1318
Sisal—
bud drop, 218
growing—
in the Comoro Islands, 2665k
in French Africa, 2571
in Mauritius, 804
in Netherlands Indies, 2570
spacing, 805
Slug control, 2184, 2185
Small fruit—
breeding in Oregon, 1240
growing—
in Michigan, 633b
in New Zealand, 521
in Oregon, 1272a, 1272d-1272f
in South Africa, 1239
propagation, 52
vitamin C content, 1774
Snail(s)—
control in citrus orchards, 363
on tropical crops, 364
Snapdragon—
foliar die-back of the greenhouse, 335
rust, 907
topping, 349d
Snow damage to trees and shrubs, 1293
Sodium determination, 1125
Soil—
ammonia and ammonium salts in, 2006e
analysis, quick test method, 1425
bog, manuring, 1502
carbon disulphide vapour movement in,
2229k
complex, tree, 1907g
cultivation implements, 28
density, a factor in determining wilting
percentage, 30
erosion—
and irrigation, 26
in olive plantations, 1932
in South Australia, 608
fauna, 1117
fertility in Murrumbidgee Irrigation
Area, 2005
fumigants—
D-D, 962
implements for applying, 1014, 2200
temperature and moisture affect, 2229i
heating, electric, 752, 1898, 2232
humus estimation, 25
insecticides, a review of the literature,
493
leaching of nutrients in horticultural, 564
management—
in New York, 320o
orchard, 604
moisture—
measurement, 27, 31e
and nutrient absorption by roots, 29
and plant growth, 538
mulches affect, 607

SUBJECT INDEX

Soil (continued)—

pH requirements of fruits, vegetables and flowers, 609
profile and cherry growing in Holland, 66

reconditioning in orchards, 511
solution, electrical conductivity of, 1130
sterilization—

electric, 1898
Gammexane affects partial, 557
general, 320q, 320x, 508, 556, 557, 752, 754, 1103, 1618
temperature measurement, 1131

Soilless culture—see also Sand culture—
1119, 1120, 1901-1903

Solanum polyandrum, aphid-immune, 2287

Somaliland, date growing in French, 2557b

Sorghum, seed germination, 311

South Africa—

bean growing, 2414
citrus growing, 1640, 2477, 2478, 2498, 2499

deciduous fruit growing, 34, 1159, 1936, 2087

Dep. Agric. A.R. 1944/45 and 1945/46, 1858, 1859

mango growing, 1735, 2631

pecan growing, 1268

seed potato growing, 1456

transpiration of trees under semi-arid conditions, 1689h

Soybean—

downy mildew (*Peronospora mancharica*), 889

genetics, 320w

growing—

in Canada, 174

in French Guinea, 1753

nitrogen nutrition, 312

root nodule bacteria, 313

seed germination, 311

varieties—

for Siberia, 7

for Sweden, 310

Spade for digging up thistles, 561

Spearmint oil production in Indiana, 233

Spectrograph, X-ray focusing, 568e

Spectrography, cathode layer arc and Lundegårdh flame emission methods, 553, 568c, 1104, 1907h

Spectroscopic diagnosis of mineral deficiencies, 2061

Spermophagus on bean, 309

Sphaerotheca-resistant gooseberries, 1934

Sphagnum moss for blueberry transplanting, 80

Sphegoptera laferiei, peach pest, 132

Spinach—

aphid control, 1543

Colletotrichum spinaciae, 791

leaves, auxin protein of, 1541, 1542

seed disinfection, 183

soil sterilization, 1103

talium, a tropical, 2662

vitamin C retention of stored, 1052

Spindel bush tree, 1180, 1218

Spirea aphid, 739

Sporendonema epizoom, 2549

Spray(s) and spraying—

by aeroplane, 726, 2209

aerosol—see below, DDT, aerosol and insecticides, aerosol

Spray(s) and spraying (continued)—

apparatus—

atomizer for herbicides, 727

Autoblast, 2210

compressed air, 730

in Denmark, 560

electric, 752

electric dusting, 2205, 2206

for fruit tree spraying, 162, 725, 1367

nozzles, 164, 2205, 2208

pneumatic, 2205

wind-tunnel spray-boom, 2207

Arasan, 1369

bacteriospores for biological pest control, suspension of, 2197

calendar—

Belgian, 1368

Dutch, 2201

Chlordane, 2434m

citrus, 2505

Cuprenox, 742

damage to bees, 1374

DDT—

aerosol, 729, 750k, 2217, 2427

analogues of, 750f, 1379, 1381

apple leaf roller, red-banded, favoured by, 135

for bean fly (*Agromyza phaseoli*), 1590

and bees, 2227, 2228

for cabbage root fly, 2391

carabid beetles killed by, 2132

for carnation pests, 904

for carrot fly, 2372

for citrus red scale, 1655, 1656

for codling moth, 135, 136, 708-711, 2171

for Colorado beetle, 159, 1380

cucumber varieties' response to, 1559

decomposition, 750n, 750u, 751b, 1382

dehydrohalogenation, 751a

estimation, 750d, 750i, 750o, 1395a

for flea beetle, 799

fungicides in combination with, 799, 800, 1384

for *Gnorimoschema operculella* in potato and tobacco, 201, 202, 821, 822

for *Halotydeus destructor* mite, 1405

for Japanese beetle, 2434m

for leafhopper, 792, 1339, 1340, 2391, 2424

for lygus bugs, 1509

for mealybug of coffee, 2606

for Mediterranean fruit fly, 2160

modulation of legumes (not) affected by, 315, 1591

for onion—

fly, 1522

thrips, 856

for oyster shell scale, 2144

for pea aphid, 2427

for peach aphid—

black, 129

green, 1331

phosgene evolution from, 2226

for potato—

aphids, 1412

leafhopper—see above, leafhopper

pests, 203, 799, 800, 1460-1462, 2316

tuber worm—see above, *Gnorimoschema*

and red spider, 135, 136, 691, 708, 709,

711, 1096, 1325, 1326, 1352, 1353,

2180, 2807

Spray(s) and spraying—DDT (continued)—

residue, 147, 732, 734, 736, 750g, 1385, 1655

a review, 159, 733, 1375-1378, 1380

for *Scirtothrips signipennis*, 440

seed disinfection with, 1407

for soil treatment, 159

solubility, 750j

stimulation of plants by (?), 1383

for storage pests, 735

for strawberry weevil, 1345

for tomato fruitworm on peach, 715

toxicity—

to man or animals, 1395n, 2229q

particle size affects, 2224

for vine pests, 2225

and woolly aphid, 136, 1330

Dithane, 758

Dynone for greenhouse red spider, 1327

Elgetol, 2807

Fermate, 337, 1369

fungicides—see also Sprays, proprietary

names—

ammonium, quaternary, 1369

bordeaux, methods of preparing, 2229h

chemistry of, 144

consumption in U.S.A., 149

copper—

for citrus melanose, 2557p

-oxychloride, 742, 2316

physical properties, 1103

for potato blight, 789

8-quinolinolate, 154

rain resistance, 2215

residue retention by apples, 508

solution in spore exudate, 741

various, 2213, 2214, 2229n, 2234

winter washes combined with scab control, 672

DDT in combination with, 799, 800, 1384

diphenyl for storage wraps, 150

dithiocarbamate, 756, 792, 2242, 2798

dust particle evaluation, 1394

fauna of apple orchards affected by, 723

glyoxalidine derivatives, 151, 152

in Holland, 2203

isopropanol-soluble, for orange stem-end rot, 2689

lime-sulphur—

compared with flotation sulphur, 1370

mixed cold, 2109

nomenclature standardized, 2229a

organic—

mercuric, for seed disinfection, 2235

recent developments, 1369, 1372

for rust control, 907

penicillin, 747

polyploidy induced by, 749

preparation of, 2202

streptomycin—see also Streptomycin—

for apple scab and brown rot control, 671

sulphur—

-barium sulphide, 1373

for *Botrytis*, 2458

elemental, 2108

flotation, 1370

lime—see above, lime-sulphur

organic, 2212

polysulphides, 153

wettable, 155

SUBJECT INDEX

- pray(s) and spraying—fungicides—*see also* Sprays, proprietary names (*continued*)—
 testing, 2211, 2229a
 zinc ethylene bisdithiocarbamate, 756, 792
- Gammexane—
 for asparagus beetle, 737
 for carnation pests, 904
 for *Ceuthorrhynchus* spp., 1534
 for codling moth, 709, 710, 737
 for Colorado beetle, 2311
 flavour, objectionable, caused by, 1389, 1408
 for grasshopper baits, 167, 1378
 for greenhouse leaf tier (*Phytactenia rubigalis*), 737
 for Japanese beetle, 2434m
 literature reviewed, 159
 for locust, plague (*Chortoicetes terminifera*), 167, 726
 for *Myzus persicae*, 1543
 for onion fly, 1523, 1524
 for pear psylla, 737
 for plum curculio, 1353
 preparation of, 173c
 for red scale of citrus, 2533
 and red spider, 737
 soil—
 microflora not affected, 2105
 treatment, 557, 825, 1098, 1408
 for squash bug, 737
 stereo-isomers of, 738
- Granosan, 749
- growth substances—*see also* Growth substances—in summer oil sprays for red spider, 690
- herbicides—*see* Herbicides
- injury—*see also* above, damage—
 to citrus, 1656
 DDT reduces copper, 2249
 to fruit trees, 724
- insecticides—*see also* Sprays, proprietary names—
 "1068", 739
 aerosol—*see also* above, DDT, aerosol—728, 1395f, 1395s, 2217
 arsenical—*see also* below, lead arsenate—residue, 166
 azobenzene for red spider, 1393
 benzenes, α -trichloromethyl-substituted, 750w
 bio-assay, 160, 164
 and chemical constitution, 731
 chemistry of, 144
 contact action of, and permeability of cuticle, 156, 157
 cryolite, 740, 750v
 dichloroethyl ground treatment for plum curculio, 1346
 dinitro compounds for Colorado beetle, 1459
- DNC—
 for codling moth, 712, 714
 pH affects fungistatic activity, 743
 for rat control, 1395p
 for red spider with DDT, 1326
 stability, 744, 2219
 toxicity to man, 148
 hexaethyl tetraphosphate for red spider, 1328
 in Holland, 2203
- Spray(s) and spraying—insecticides—*see also* Sprays, proprietary names (*continued*)—
 lead arsenate—*see also* above, arsenical—
 for codling moth, 2170
 citrus quality improved by, 2506, 2507
 injury to fruit trees, 724
 methylenedioxyphenyl, 165
 nicotine, preparation of, 225
 oil—
 citrus leaves penetrated by, 2493
 in combination with DDT, 1096
 emulsions for scale insects on citrus, 2538
 growth substances prevent shock, 690, 942, 2138
 orange colour development impeded by, 2537
 stone fruit susceptibility to summer, 1392
 wax emulsions, cherry fruit size increased by, 2220
 ovidices, winter, 2172
 petroleum emulsion for red spider, 509
 preparation of, 2202
 pyrethrin estimation in oil, 750e, 750s
 pyrethrum, 165, 759, 1390, 1391
 rotenone, 717, 750p, 2221-2223
 sabadilla, 697, 745, 762
 selenium, 323, 324, 941, 2438, 2439
 sulphonamides, 750x
 thiocyanate, 1395d, 2218
 thio ethers, 158
 2,4,4-trinitrodiphenylamine, 712
 winter washes, rain resistance, 2219
- Isothan, 37
- nomenclature for deciduous fruit, standardized, 2204
- parthenocarp induced by—*see* Parthenocarp
- Puratized, 37
- Rotoxol 66, 1535
- Spergon, 1369
- Thiosan, 1369
- Toxaphene, 1388
- Velsicol, 1068, 1386, 1387
- wetters, 748, 2229g
- Xanthone, 1096, 1325, 1330
- Squash—
 bug control, 737, 739
 growing in tropics, 2805
 hybrid, 1399
 root aphides, 866
 storage, 2697
 variety, Rainbow, 2396
- Squirrel, ground, control, 142
- St. Helena, pyrethrum flowers from, 746
- St. John's Wort, biological control, 1359
- St. Lucia Dep. Agric., A.R. 1945, 1112c
- Stachyridium theobromae* on banana, 2647
- Stalinabad Botanical Garden, 5
- Starter solution for transplanting vegetables, 2238
- Statistics—
 agricultural, 2769
 in horticulture, 1123
- Steiner's agricultural theory, Rudolph, 496
- Stemphylium solani*, 449, 450, 2787
- Stereum purpureum*, 123, 1318
- Sterilization, silver, of water, 2577
- Stone fruit—
 bacterial canker, 114
- Stone fruit (*continued*)—
 die-back, 116
 gummosis, 116
 oil for summer spraying, 1392
 scab, 2111
- Storage—*see also* particular crops—
 aerosol insecticides, 1395f
 air filtration, 1096
 cellar for fruit, 2671
 chutneys, 2754
 citrus, 2686, 2688, 2784
 cold, a review, 2701
 dips for bananas, 438, 1016
 frozen pack, 472, 486e, 529, 1029, 1030, 1236, 1758, 1766b, 2539, 2711, 2712, 2721, 2760m, 2785, 2787
 fruit, 486c, 529, 594, 1029-1031, 1145, 2671-2673, 2761
 fruit juice, 1797
 gas, 1103, 1760-1763, 2679, 2687, 2690
 gas pressure of tissue, changes in, 2669
 hardwood and pine seedlings, 568d
 moss for fruit, 2671
 pests, 2699
 pyrethrum concentrates, 1390
 quality, anti-fruit-drop sprays affect, 1228
 rodent control, 1762
 seed, 182
 vegetable, 460, 472, 486e, 529, 1030, 1031
 wraps, diphenyl for, 150
- Strawberry—
 aphid vectors, 661
 breeding, 83, 529, 1320
 canning, 2779
 diseases, 1395q
 growing—
 in Brazil, 2021
 in England, 1251
 in Missouri, 1272c
 in Oklahoma, 1254, 1272b
 in Pennsylvania, 86
 in Scotland, 2009
 on Vancouver Island, 1
- inspection and certification, 2009
- leaf roller (*Ancylis comptana fragariae*), 737
- mulching, 613
- parthenocarp induced, 1145
- pest control, 173b, 1395q, 2136
- planting, 2022
- preservation in raw state, electronic, 1031
- production in winter, 1256
- propagation, 1253, 2009, 2019, 2020
- red stele, 1320, 1321, 1846
- rhynchites, 2157-2159
- runner, hot water treatment, 2199
- selection, 98c, 2055g
- spittle insects (*Philaenus leucophthalmus*), 1333
- varieties—
 Auchincruive Climax, 2018
 Brightmore, 1240
 Corvallis, 1240
 in Illinois, 2055c
 for preservation, 1159
 Suwannee, 1255
 Temple, 1320, 1321
 trials in Sweden, 84, 1252
- virus—
 in North Wales, 661
 research in Great Britain, 2097
 vitamin C content, 85
 weevil, 703, 1345, 2158, 2159
 wild wood, in Russia, 82

Streptomycin—
apple scab and brown rot controlled by, 671
for crown gall, 2196
effect on higher plants, 547
Phytophthora pruni controlled by, 664
Subtropical crops in Soviet Central Asiatic Republics, 1659
Subtropics, potato growing in Transcaucasian, 1417
Sudan, tung oil, 1074
Sulphur—see Sprays, fungicides
Sunflower—
crown gall, 1151, 1309, 1887
growing—
in Canada, 174
in Italy, 833
in Uganda, 528
pyridoxine for tissue culture, 809
selection in New Zealand, 521
stem or tissue culture for growth substance test, 1149, 1150
Sunspots and hard winter, 1907d
Sweden—
apple rootstock trials, 1167, 1168
cauliflower seed production, 1539
fruit growing, 1162, 1163
nursery certification, 1181
potato growing, 1435, 1449, 1608r
radish seed production, 263
soybean breeding, 310
strawberry variety trials, 1252
tomato varieties, 1608q
vegetable growing, 1396, 2434r
Swedes, canned, vitamin B and C retention, 2709
Sweet potato—
black rot, 2696
boron deficiency, 2542
carbohydrate composition, 944
carotene—
assay, 1056
content, 370, 1054
curing, 944
dehydrated, 1053
flowering and fruiting habit, 367
growing—
in Brazil, 365
in Mississippi, 368, 369, 371-375
in South Africa, 1660
harvesting, 373, 374
internal cork, 2543
manuring, 371, 375
propagation, 368, 1661
seed scarification, 366
soil rot (*Actinomyces ipomoea*), 376, 1663
spacing, 369, 371
storage, 1036, 1764, 2696
witches' broom, 1662
Switzerland—
fruit growing, 569, 1087
peach growing, 1925
potato varieties, 1608j
seed potato growing, 193, 2255, 2284
vegetable growing, 1087
vine growing, 2055b
Tachypterellus quadrigibbus magnus, 1344
Taeniothrips—
dianthi, 903
frici on krym saghyz, 1505
gladiolicola, 903
simplex, 345

Talinum triangulare, a tropical spinach, 2662
Tanganyika—
Dep. Agric. A.R. 1945, 1110
onion growing on Kilimanjaro, 1750
papain production, 2745
potato growing, 2252
Tangerine—
growing in North Africa, 2473
packing, 2700a, 2700b
varieties, Saigon, 2467
Tannin—
Cotinus coggygia a source of, 1082
in fruit juices, 1096
tea, 403, 1811
Taphrina deformans, 2114, 2115
Taraxacum spp. as weeds in kok saghyz, 256
Tau saghyz—
nuclei in lactiferous vessels, shape of, 1503
three harvests from one plantation, 1501
Taxonomy, plant, 2762
Tayutse (*Brassica juncea*), 1530
Tea—
biochemistry, 1098, 1808
blister blight (*Exobasidium vexans*), 1708, 1709, 2580, 2585, 2665n
canker (*Pestalotia* sp., *Phomopsis*), 1102
culture in Netherlands Indies, re-establishment, 405
cuttings, 1705, 2575
Drymaria cordata, cover crop or weed? 1707
green, varieties, North of the Bamboo Thicket, 2574
growing—
in Belgian Congo, 1704
in Mauritius, 402
leaf—
fermentation, 1810
miner (*Melanagromyza theae*), 1098
manufacture, new methods, 1098, 1809
manuring, 1703, 1850, 2579
mites, 1098
nematodes, 1098
oxidase, 2755
pests and diseases in Russia, 404
planting, 2576
provitamin A content, 486f
pruning, 1850, 2578, 2580
Res Inst. Ceylon A.R. 1945, 1098
a review of literature, 2701
root system, 1706
seed production in Russia, 1633
shade plants, 1098
shot hole borer, 1098, 2665i
spacing, 1850
substitutes—
bearberry, 2017
Chamaenerium angustifolium, 231
tannin, 403, 1811
Teazle, a fibre plant, 2433
Technical Communication imp. Bur. Hort. Plant. Crops 17, 1827
Tecla echion on pineapple, 443
Teleonemia australis on olive, 696
Temperature—
in Belgian Congo, 2559
low, stimulation by, 1118
measurement, 555, 2076, 2765
sum, cherry harvest date determined by, 589, 590
Tenthercoris bicolor on orchids, 1617

Tenuipalpus—
californicus, 689
obovatus on tea, 1098
Tephrosia, an insecticidal plant, 172, 2565
Terminalia superba, a shade tree for cacao, 1715
Termite(s)—
control in orchards and vineyards, 146
in Trinidad and Tobago, 1754a
Tetracymus lawii, 1620
Tetranychus—
bimaculatus, 1328
telaricus—see Red spider
Tetraploid plants, 390, 1101, 1167, 1177
1497, 1499, 1551, 1611
Texas—
agric. Exp. Stat. A.R. 1945, 2803
citrus growing in Lower Rio Grande Valley, 1631, 1658
tomato diseases, 2407
vegetable growing in Lower Rio Grande Valley, 1658
Thermal death rate of bacterial spores, 2718
Thielavia basicola of tobacco, 818
Thielaviopsis—
basicola of tobacco, 227
paradoxa, 443, 446
Thinning—
almond, 2053
apple blossom by sprays, 1214, 1980
2807
apples, 1213
fruit, 1212, 1980
oranges, 2494
peach blossom, 1981
peaches, 1215
Thistles, spade for digging up, 561
Thlaspi arvense, an oil plant, 532
Thrips—see also particular hosts—
nigropilosus, 737
tabaci, 509, 856
taraxaci, 1505
Tibet, Alpine plants from, 2435
Timirjazev Academy, 4
Tissue—
culture, plant, 550, 551, 1127
gas content of plant, 15
respiration of storage, 1140
testing, 23, 508, 1103 1891
Tobacco—
Alternaria leaf spot, 819
barns, temperature measurement in, 895s
blackfire (*Pseudomonas angulata*), 1482
black root rot (*Thielaviopsis basicola*), 227
blending, chemistry of, 320n
blue mould (*Peronospora tabacina*), 148
boron distribution in, 2434b
breeding, 817, 2331
calcium, role of, 814
cigarette beetle (*Lasioderma serricorne*), 320y, 1486
cucumber virus 1, 2335
curing, 2756, 2757
curly-top virus, 2333
damping-off, 2336
Duboisia graft, 2329
fermenting, 2756
flea beetle, 2337
furnace tests, 2804
growing—
in the Americas, 401
in Ceylon, 2780

SUBJECT INDEX

tobacco—growing (*continued*)—
 in Guernsey, 2321
 in India, 1822
 in Indiana, 2434y
 in New Zealand, 521, 806, 807, 1469
 in Nigeria, 2320
 in North Africa, 2434n
 in Ontario, 2781
 in Poland, 1864
 in Rhodesia, 810-812, 1106, 2758
 in Russia, 2323
 in Turkey, 2325-2327
 Havana seed, 227
 investigations—
 at Isserville, Algeria, 2319
 at Trelawney, S. Rhodesia, 2804
 iron, ferric tartrate a good source of,
 577
 krommek disease, 1858
 leaf—
 anatomy, 2434a
 miner (*Gnorimoschema operculella*),
 821, 822
 number related to height of plant, 220
 protein, mosaic affects, 320p
 tissue testing for mineral deficiencies,
 222, 508
 variation, 1471
 magnesium deficiency, 1478
 manuring, 2324, 2804
 mosaic, 226, 320d, 320m, 320p, 815, 816,
 1479, 2332, 2334, 2335
 moth (*Ephestia elutella*), 1486
 necrotic virus—
 associated with *Thielavia basicola*, 818
 Primula obconica a carrier of, 1481
 nematodes, 228, 820, 2804
 nicotine—
 content, 224, 1474
 -free, 320t
 nitrogen nutrition, 808
 Orobanche—
 ramosa grafting, 813
 resistance, 1100
 owl moth (*Agrotis ypsilon*), 2338
 "peste negra" disease, 527
 petiolate form, dominance of, 1470
 phosphorus, role of, 814
 photoperiodic reaction, 1476
 pigments, 1477
 processing, 1473
 production, a manual, 1824
 "pseudo-viruses" virus disease, 2335
 research in New Zealand, 508
 ring-spot virus, 298
 rotation crops, 1096
 seed—
 germination, light favours, 223
 maturity, 221
 oil, 480
 storage, 2328
 seedling blight, 2331
 severe etch virus, 112
 soil—
 disinfection of seed bed, 320q, 320x
 treatment with Gammexane, 825
 spotted wilt, 1480
 storage pests, 1608f, 2699
 suckers, chemical suppression of, 1472,
 2330
 sulphur, role of, 814
 tissue culture, 1150, 1475
 tetraploid, 1482
 tomato hornworm on, 1577

Tobacco (*continued*)—
 varieties in Holland, 1608e
 viruses, stability of, 1483
 weed control, 2339
 white grub, 823, 824, 2804
 wild fire (*Pseudomonas tabaci*) resistance,
 1482
 wireworm control, 2338
 Tomato—
 Alternaria blight—*see also below*, blight
 881, 2410, 2411
 anthracnose, 756, 875, 2242
 aphids, 1608x
 assimilation, respiration and trans-
 location, 1562
 bacterial—
 canker, 872, 873, 1102, 1574
 spot, 2407
 wilt (*Xanthomonas solanacearum*), 871,
 1102, 1856
 biological value of glasshouse, 1051
 blight—*see also above*, *Alternaria*—756,
 876, 2242, 2410, 2784
 boron deficiency, 509
 breeding, 447-450, 877, 1101
 broom rape (*Orobanche*), 1403
 carotene—
 content, 2790
 and lycopene assay, 1059
 "cloud", 508
 Cryopeltis varians pest, 1576
 cytology, 2403
 Didymella lycopersici, 509
 diseases, 880, 2407
 field trials, correlation of means and
 standard deviation in, 1608m
 fruit—
 cracking, 1571
 worm (*Heliothis armigera*), 301, 684,
 715
 fungicides, 300
 Fusarium wilt, 299, 449, 1575, 2539
 glasshouse soil, additions to, 508
 grafting, 2403
 grey leaf spot (*Stemphylium solani*), 449,
 450, 2787
 growing—
 in Algeria, 1560
 in Mississippi, 293
 in Oregon, 1272a
 in Queensland, 294, 295
 in tropics, 2805
 growth—
 correlations, 1563
 substance translocation, 20
 Helminthosporium rot, 879
 hornworm on tobacco, 1577
 hybrid vigour in, 1399, 1561
 interplanting of early and late, 511
 iron deficiency, 509, 1572
 juice—
 manufacture, 1801, 1802, 2735
 vitamin C content of canned, 1060
 lateral shoots, removal of, 1564
 magnesium deficiency, 509, 2406
 manganese deficiency, 509
 manuring, 269, 509, 1565, 1566, 2238,
 2411
 mosaic, 509, 870, 2408
 moth—*see also* fruit worm—509
 nematode—
 control, 2412
 resistance, 447, 1570, 2787
 organic acid in, 2707

Tomato (*continued*)—
 parthenocarp induced, 509, 595, 596,
 869, 1101, 1145, 1565, 1568, 1883,
 2404
 pest control, 880
 "peste negra" disease, 527
 photoperiodic response, 1564
 potassium manuring, 1565
 products, mould counting in, 1801, 1803
 quality, sunlight affects, 1567
 red spider, 509
 ripening, 495, 1034, 1765, 2785
 Sclerotium rot, 2407
 seed—
 disinfection, 183, 872
 storage, 182
 seedlings, raising of, 2803
 Septoria leaf spot, 2410
 severe etch virus, 112
 shading, 1400
 soil—
 improvement by rice hulls, 511
 sterilization, 508
 soiless culture, 1901, 1902
 spotted wilt virus, 297, 298, 320e, 448
 stock-scion relationship, 296, 1569
 storage, 1034, 1765, 2785
 sulphur treatment of soil, 509
 tissue tests, 508, 1096
 transplanting, 2238
 varieties—
 in Brazil, 2434p
 Pearl Harbour, 2787
 Poplarville, 320a, 320b
 in Sweden, 1608q
 trials—
 at Cheshunt, 509
 in Mississippi, 320g
 wilt resistance, 878
 Verticillium wilt, 509, 874
 viruses, 1100, 2787
 vitamin C content, 447, 484, 1061, 1567,
 1776, 1779, 1780, 1901, 2790
 water requirements, 868
 wilting, filtrates of crown gall bacteria
 cause, 2409
 xylem and phloem, 1608n
 zinc deficiency, 1573
 Trace elements—*see* Minor elements
Trachysphaera fructigena on banana, 1008,
 2691
 Tractor(s)—
 horticultural, 559
 for vineyards, 2044
 Training fruit trees—
 cordons, 1918, 1972
 dwarf pyramid, 1918, 1972
 spindel bush, 1218
 against walls, 1973
 Transpiration of South African trees under
 semi-arid conditions, 1689h
 Transplanting—*see also particular plants*—
 vegetables, 2238
Tranzschella pruni-spinosae, 676, 2229p
 Tree(s)—
 growth and soil conditions, 1907g
 removing machinery, 1915
 Trelawney Tobacco Res. Stat., S. Rhode-
 sia, A.R. 1946, 2804
Trilobium confusum, 735
Tricholoma nudum, 2430
Trichothecium roseum, 742
Trifolium subterraneum as a cover crop,
 2002

SUBJECT INDEX

Trinidad—
 imp. Coll. trop. Agric. A.R. 1945 and 1946, 516, 1857
 lemon grass oil production, 1818
 Low Temperature Res. Stat., 1016
 mosaic of *Malvaceae*, 959
 termites, 1754a
 and Tobago, Dir. Agric. Administ. Rep. 1945, 1856
Triphidaphis phaseoli, 866
Tristania conferta, a pest of, 139
 Tristeza—see under Citrus and individual citrus crops
 Tropical crops of America, 396
 Tropics, American, banana growing, 1742
 Tryptophane effect on bean plants, 539
t-test, use of range in, 1895
 Tucuman agric. Exp. Stat.—
 A.R. 1942, 527
 function of, 923
 Tulip—
Botrytis blight, 2458
 bud sports, 914
 fire, 1096
 Kirton experiments, 2453
 manuring, 1622
 polyploidy or bud sports induced, 916
 temperature effect on metabolism and respiration, 1623
 year book 1946, 1091
Tulipa dasystemon and *T. tarda*, 341
 Tung—
 boron content, 1671
 breeding, 1668, 1669
 cover crops, 386, 1850
 Experimental Field, Mississippi, 519
 fruit composition, 945
 growing—
 in Argentina, 527, 2557g
 in Belgian Congo, 379
 in Florida, 2544, 2784
 in Mississippi, 378
 in Nyasaland, 1667, 2545
 in Russia, 1633
 leaf analysis, 380
 manuring, 382-384, 1670, 2539
 oil—
 substitutes, 2546
 from Sudan, 1074
 training of trees, 381
 transplanting, 379, 385
 zinc deficiency, 2539
 Tunisia—
 almond growing, 2052
 native grapes, 2055h
 olive oil extraction, 2739
 Turrialba—see Inter Amer. Inst. agric. Sci.
 Turkey—
 citrus vein yellowing, 953c
 garden plants from, 897
 hop growing, 229
 pyrethrum growing, 170
 tobacco growing, 2325-2327
 Turnip—
 gall weevil (*Ceuthorrhynchus pleurostigma*), 1534
 vitamin C content, 1767
Tydeus womersleyi on tea, 1098
 Tyrol, South—
 fruit growing, 573
 San José scale, 694, 2147
 Ubi kemili (*Coleus tuberosus*), a tropical vegetable, 2661

Uganda—
 coffee growing, 1710
 Dep. Agric. A.R. 1944/45, 528
 cinchona growing, 1727
Ulva spp., reproduction of, 1608u
Umbelliferae—
 in the Argentine, 1398
 embryoless seeds, 179
Uncinula necator—see Vine, oidium
 United States—see also individual States—
 arboretums and botanical gardens, 1867
 bamboo cultivation, 1672
 cabbage—
 growing, 1531
 seed production, 2382
 diseases of agricultural crops and fungicide consumption, 149
 drug plants, wild, 2359
 essential oil production, 2354
 horticultural science today, 35
 horticulture in southern, 1657
 introduction of plant diseases, 1294
 kok saghyz growing, 2363
 pear growing, 1922
 potato varieties, 2253
 seed potato certification, 2248
 trees, shrubs and vines for north-eastern, 494
 vegetable marketing, 73, 320r
 vine growing, 2025, 2028, 2032
 Urea, iris growth stimulated by, 915
Uromyces fabae, 2419
 U.S.S. Central Asian Republics, sub-tropical crops, 1659
 U.S.S.R.—
 agricultural research institutes, 3
 botanical gardens, 5
 citrus growing, 354
 fruit growing, 45, 46, 1166
 medicinal plants, 499, 1493
 oil plants, wild, 234
 plant breeding, 1105
 potato manuring, 2271
 ramie growing in Transcaucasia, 1466
 sherry manufacture, 473
 tobacco growing, 2323
 tung breeding, 1669
 vegetable growing, 176
 vitamin C content of vegetables and fruit in north, 1775
Vaccinium spp.—
 in Belgium, 1246
 in Holland, 1247
Valeriana colchica, a medicinal plant, 1493
 Vancouver Island, fruit and vegetable growing, 1
 Vanilla—
 curing, 479
Fusarium root disease, 1099, 2609
V. planifolia, 1700
 potash deficiency, 2609
 seed germination, 2608
 Variance, analysis of, 31d
 Variety trials—see under Fruit and Vegetable varieties
 Vegetables—see also particular vegetables—
 aster yellows in, 2434u
 blanching, 472
 breeding, 2230
 canned—
 inspection of, 2717
 microbiology of, 1070
 canning, 1795, 2760c, 2785

Vegetables—see also particular vegetables
 (continued)—
 cases, measurements of, 1755
 cloche cultivation, 753, 2232
 composition of Hawaiian, 1749
 consumption in Holland, 12
 cultivation, machinery for, 177
 damping off, 2236
 dehydrated
 moisture determination in, 1084f
 nutritive value, 1054
 storage, 469
 dehydration and drying, 470, 486c, 178
 1788, 1821h, 2784
 earwig (*Forficula auricularia*) on, 1406
 frame cultivation of, 2232
 glasshouse and nursery [cultivation] 2764
 growing—
 in British Columbia, 504, 505
 in Cameron Highlands, Malaya, 174
 in Canada, 32
 in Connecticut Valley, 2434o
 in Cornwall, 1397
 in Denmark, 1839
 in England, 1238d, 2795
 in Florida, 2784
 in Hawaii, 2787
 in Hong Kong, 1832
 in India, 2789
 in Malaya, 1690
 in north Russia, 176, 532
 on peat soils, 175
 in South Africa, 1629
 in Switzerland, 1087
 harvesting and marketing in Canada 2006c
Halotydeus destructor mite, 1405
 irrigation, 511, 1899
 juice—
 manufacture, 2750
 storage frozen pack, 2785
 manuring, 7, 755, 1838, 2237-2239
 marketing in New York, 13, 320r
 mineral deficiency in, 102, 2057
 nitrogen needs supplied by spring fallow, 511
 pests—
 and diseases in U.S.A., 186
 in Georgia, 2243
 pickle manufacture, 1813
 preservation—
 by freezing—see below, storage frozen pack
 in raw state, electronic, 1031
 vitamin C affected by salt, 1100
 processed, nutritive value of, 1769
 processing—
 a review, 2701
 in South Africa, 1767
 seed—
 decay (*Rhizoctonia*, *Pythium*), 2236
 disinfection, 183, 1407, 2235, 2236
 germination, 2234
 production—
 in Arizona, 2778
 in British Columbia, 1846
 isolation requirements, 1103
 in Kenya, 1102
 in Norway, 1086
 in Siberia, 2233
 in South Africa, 1629
 vernalization shortens process, 18
 weight, 1402

SUBJECT INDEX

vegetables—see also particular vegetables
(continued)—
soil—
disinfection with Gammexane imparts
bad flavour, 1408
management in Lower Rio Grande
Valley, 1658
storage—
frozen pack, 472, 486e, 529, 1030, 1758
of dehydrated, 469
for processing, 460
thiamin content, 1782
transplanting, starter solutions for, 2238
varieties—
disease-resistant, 2230
for freezing, 1030
hardy, 2230
in Holland, 1608e
in Minnesota, 2231
trials in Sweden, 1396, 2434r
Venezuela, exports from, 398
vitamin C content, 755, 1771, 1772,
1775, 1776, 2704
weevil (*Listroderes obliquus*), 684
windbreaks for, 1401
Venezuela—
coffee growing, 406
fruit and vegetable exports, 398
pineapple—
seed collection, 2650
wild, 1011
nutria—see also *Fuscladium*—
inaequalis—see Apple scab
virina—see Pear scab
ruba seed storage, 182
rmiculite, a rooting medium, 1949
rmont State hort. Soc. Proc. 50th
meeting, 1860
rnalization—
of biennial seed crops, 181
of lettuce, 865
of mustard, 1468
of potatoes, 767, 1417, 2259
a review, 503
rticillium—see also particular crops—
albo-atrum, 509, 683, 831, 874, 934
tahliae, 509, 831
wilt, soil sterilization against, 754
urnum—
cuttings, 1096
the genus, 2462c
ia-Orobanche crenata grafting, 813
na sinensis, variety groups of, 1608
gour and yield in perennial crops, 59
la Thuret, Provence, citrus collection,
2464
ca rosea tissue for growth substance
test, 1151
ne—
bacterial blight (*Erwinia vitivora*), 1159,
1858
boron deficiency, 101
Botrytis cinerea, 1103, 2125
breeding, 529, 623, 2030, 2031, 2805
budding, 1264
chlorosis, 2070
ochylis control; 2175-2180
composition, 1261
Coniothyrium diplodiella, 1103
copper—
deficiency, 104
fungicides, 2215
court noué disease, 619, 1305, 2099-2101
cuttings, 1262, 1263, 2035, 2037

Vine (continued)—
dead-arm (*Cryptosporrella viticola*), 2124
direct producers, 2030
DNC as a winter wash, 1395r
downy mildew, 681
Epidola stigma moth, 2174
erosion control, 608
eudemis control, 137, 2175-2179
flower, sex in, 2031
frost—
damage, 1292, 2075, 2085
protection, 2077, 2078, 2082-2084
genetics, 633a
glasshouse thrips control, 2225
grafting, 2033, 2040
grape—
black rot (*Guignardia bidwellii*), 125,
680
Concord, uneven ripening, 88
cure, 621
drying, 465
growing—see also below, table—
in California, 2026
in Latin America, 87
in Czechoslovakia, 2027
in Queensland, 2023
juice, 529, 1046, 1798
leaf hopper, 1338-1340
muscadine, 125
pests and diseases under glass, 1298
residue as manure, 90
seed oil, 2736
sulphurous acid gas treatment, 1103
table, growing—see also above, grow-
ing—
in Brazil, 622
in Italy, 618
grasshopper control, 2141
growing—see also above, grape, and
below, raisin—
in Algeria, 2033
in England, 626
experiments at Lausanne, 1103
in France, 2055a
in Greece, 1257, 2055i
a manual, 1834
in New Zealand, 33, 521
in the Punjab, 2055j
in South Australia, 616, 617
in Switzerland, 2055b
tractors for, 2044
in tropics, 1746, 2658, 2805
in United States, 2025, 2028, 2032
growth measurement of leaves and
branches, 2042
hail damage, protection against, 2086
"hen and chickens" disease, 101
irrigation, 1956, 2043
leafhopper, 2151, 2152
little leaf, 646
manuring, 1267, 1989, 2040, 2041
manuring, green, 628, 1232
mealy bug, 1858
mildew control, 679, 1103, 1319, 2117,
2118, 2122, 2123
muscadine, 2786
nitrogen foliage sprays, 647
nursery—
inspection in France, 619
irrigation, 1956
oidium control, 2119-2121
ornamental, tropical, 2664
phylloxera control in Switzerland, 2100
Pierce's disease, 1304, 2098

Vine (continued)—
pollination, 1259
potassium deficiency, 1989
powdery mildew—see above, oidium
pruning, 91, 1159, 2038, 2039, 2084,
2786, 2803
pyralid moth, 2197
raisin—
fumigation of packages, 1028
growing—
in Algeria, 2024
in California, 2026
rootstocks, 89, 624, 627, 1260, 2034,
2036, 2055b, 2070
"rote brenner" or "rougeot" (*Pseudo-
peziza tracheiphila*), 627, 1103, 2126-
2128
seed and berry development, correlation
between, 1258
topping, 1159
trellis, 1265, 1266
Tunisian, native grapes, 2055h
varieties—
Chasselas blanc, 1103
Ciliegiuolo, 620
Fredonia, 2039
hybrid, 2029, 2030
Précoce de Malingre, 623
white fruit, a graft-transmissible disease,
111
zinc deficiency, 104, 646
Virginia—
creeper, grape leafhopper on, 1340
Eastern, pea aphid control, 2428
West, apple growing, 1158
Virus—see also under particular plants—
incidence and plant growth, 2092
research, review of, 652, 653
serological diagnosis of plant, 1301
survival in desiccated leaf, 2229m
transmission, dodder method, 654, 655,
2093
virulence in plants, 1299
Vitamin—
B assay by micro-organisms, 2708
C—
content—see also under particular
plants—
of frozen fruit and vegetables, 529
of fruit, 1776, 1783
of fruit juices, 1096, 1783
of jams, 1785
light affects, 1776, 1875
of soft fruit, 1774
temperature affects, 1375
time of day affects, 1772
of vegetables, 1771, 1772, 1775, 1776
content of edible fungi, 1603
destruction by nitrous acid, 311
P in Chinese lettuce, 281, 282
thiamine inhibits tobacco mosaic virus,
226
Vitis—see also Vine—
amurensis, 1262
foliar polymorphism, 625
rotundifolia, 125
Volumnus obscurus, a coffee pest, 2604
Volvaria volvacea cultivation, 2430, 2663
Wädenswil hort. Res. Stat. Rep. 1945, 529
Wales, North, strawberry virus in, 661
Walnut—
aphid (*Chromaphis juglandicola*), 1334
blight (*Xanthomonas juglandis*), 115

SUBJECT INDEX

Walnut (*continued*)—
 branch wilt (*Exosporina fawcetti*), 2130
 brooding disease, 662
 codling moth, 1334
 diseases, 1296
 frost damage, 2791
 germination, 93
 grafting, 92, 529
 growing—
 in England, 2045, 2046
 in France, 2047, 2055e
 in New South Wales, 2629
Marssonina juglandis, 1103
 mulching, 94
 oil extraction, 2737, 2738
 rootstocks, 2049
 scale, frosted (*Lecanium pruinosum*), 1334
 storage, 2684
 varieties in Hungary, 2048
 virus disease, 662
 vitamin C content, 1049, 1784
 Washington—
 State hort. Ass. Proc. 42nd meeting, 2807
 Western, flower bulb diseases and pests, 2457
 Water—
 congestion and fungus infection, 2241
 movement into plants, 1154b
 sterilization by silver process, 2577
 supply, saccharose:monose ratio, ■■■
 indicator of, 1141
 Watercress, polyploid, 1551
 Wattle—
 breeding in S. Africa, 241
 growing in Brazil, 242
 propagation, 834
 Weather—
 in 1946, 1874
 forecast, broadcasting of, 1872, 1873

Weather (*continued*)—
 injuries to fruit trees, 2072
 Weed(s)—
 control—see also particular crops and
 weeds and Herbicides—
 biological, 508, 1359
 in bulbs, 2453
 in citrus, 2778
 by growth substances—see Growth
 substances, herbicides—
 in Mauritius, 1698, 2567, 2568
 in Puerto Rico, 1699
 in Swedish agriculture, 1836
 seed(s)—
 and early growth stages, 320i
 longevity, 750h
 tropical, controlled by 2,4-D, 399, 955,
 966
 West of Scotland agric. Coll. A.R. 1944/45,
 1861h
 Willow cuttings, 1154c
 Wilting percentage, soil density a factor in
 determining, 30
 Windbreaks, rye for vegetables, 1401
 Wine—
 analysis, 1821g, 1826
 browning, 529
 fermentation, 1038
 fruit, preparation, 1084g
 making, 491, 526, 1084g, 1796, 2055a,
 2760i
 nutritive value, 1821a
 sterilization, 1821c
 sulphiting, 2723
 tartar index, 2722
 Winter moth control, 2172, 2218
 Wisconsin agric. Exp. Stat. A.R. 1940/41,
 1941/42, 1942/43, 1943/44 and
 1944/45, 1111

Wood—
 ashes, fertilizer value of, 2001
 boring beetle (*Capnodis tenebrionis*)
 1341
Xanthocrous ribis, 678
Xanthomonas—
 corylina, 1295
 juglandis, 115, 1296
 solanacearum, 781, 871, 1102, 2252
Xeraphloea vanduzeei, a virus vector, 243a
Xyleborus—
 forficatus forficator, 1098
 morstatti, 2593
 Xyloborid beetle on deciduous fruit tree
 707
 Yeast, nutritive value, 1821a
 Yeheb (*Cordeauxia edulis*), 1726
 Yerba maté, 1722
 Yield and vigour in perennial crops, 59
 Youngberry-*Rubus trichomallus* hybrid
 2805
Yucca carnerosana and *Y. treculeana*, fibrous
 plants, 217
Zantedeschia—
 elliottiana, a seedling disease of, 346
 rehmannii, 2461
Zicrona coerulea, predacious on Colorado
 beetle, 796
 Zinc deficiency—
 in deciduous fruit, 101, 104, 105
 in tomato, 1573
 in tung, 2539
 in vine, 104, 646
Zizyphus vulgaris, vitamin C content, 483
Zygophiala jamaicensis sp. nov. on banana
 437

LIST OF PUBLICATIONS,

other than books, abstracted or containing articles abstracted in Horticultural Abstracts, 1947, Vol 17.

- bridged Scientific Reports of the Imperial Agricultural Research Institute, New Delhi, India
- Abstracts Journal of Agricultural Association of China, Nanking (?)
- Acta Agriculturae Suecana, Stockholm
- Administration Report Ceylon Director of Agriculture, Peradeniya
- Administration Report Trinidad and Tobago Director of Agriculture, Port of Spain
- Advances in Modern Biology, *see* Uspehi
- Advisory Circular Rubber Research Scheme Ceylon, Agalawatta
- African Affairs, London
- Agricultura Técnica, Santiago de Chile
- Agricultural Engineering Record, Askham Bryan (and later Silsoe, Beds.), England
- Agricultural Gazette of New South Wales, Sydney
- Agricultural Institute Review, Ottawa, Canada
- Agricultural Progress, London
- Agriculture, London
- Agriculture in the Americas, Washington, D.C.
- Agrobiologija (Agrobiology), Moscow [Russian]
- Agronomia lusitana, Sacavém, Portugal
- Agronomie Tropicale, Nogent S/M, Seine, France
- American Journal of Botany, Lancaster, Pa
- American Potato Journal, New Brunswick, New Jersey
- Anales de la escuela de peritos agricolas y superior de agricultura y de los servicios técnicos de agricultura, Barcelona, Spain
- Anales de l'Académie tchécoslovaque d'Agriculture, Prague
- Anales Agronomiques, Paris
- Anales de l'Ecole Nationale d'Agriculture à Montpellier, France
- Anales des Epiphyties et de Phyto-génétique, Paris
- Anales de Gembloux, Brussels
- Anales de l'Institut Agricole et des Services et des Recherches et d'Experimentation Agricoles de l'Algérie, Algiers
- Anals of the Royal Agricultural College Sweden, Uppsala [=Kungl. Lantbrukshögskolans Annaler]
- Anals of Applied Biology, London
- Anals of Botany, London
- Annual Report of Arizona Agricultural Experiment Station, Tucson
- Annual Report Barbados Department of Science and Agriculture, Bridgetown
- Annual Report Basutoland Department of Agriculture, Maseru
- Annual Report Bermuda Department of Agriculture, Hamilton
- Annual Report Bermuda Department of Agriculture, Plant Pathologist, Hamilton
- Annual Report British Columbia Department of Agriculture, Victoria
- Annual Report British Columbia Department of Agriculture, "Agricultural Statistics", Victoria
- Annual Report British Columbia Department of Agriculture, "Climate", Victoria
- Annual Report British Honduras Department of Agriculture, Belize
- Annual Report Cawthron Institute, Nelson, N.Z.
- Annual Report Cheshunt Experimental and Research Station, Cheshunt, Herts., England
- Annual Report Coffee Research and Experiment Station, Lyamungu, Moshi, Tanganyika
- Annual Report Dominica Agricultural Department, Roseau
- Annual Report Dominion of Canada Fruit and Vegetable Products Research Committee, Ottawa
- Annual Report Dominion of Canada Minister of Agriculture, Ottawa
- Annual Report Dominion of Canada National Research Council, Ottawa
- Annual Report East African Agricultural Research Institute, Amani, *see* Report
- Annual Report East Malling Research Station, near Maidstone, Kent, England
- Annual Report Éire Minister of Agriculture, Dublin
- Annual Report Field Experiments on Sugar Cane, Trinidad, Port of Spain
- Annual Report Fruit and Vegetable Preservation Research Station, Campden, Gloucestershire, England
- Annual Report Georgia Experiment Station, Experiment
- Annual Report Gold Coast Department of Agriculture, Accra
- Annual Report Horticultural Societies (of Ontario), Toronto
- Annual (scientific) Reports Imperial Agricultural Research Institute, New Delhi
- Annual (progress) Report Institute of Plant Industry, Indore, Central India
- Annual Report Institute of Tropical Agriculture, Puerto Rico, Mayagüez
- Annual Report Inter-American Institute of Agricultural Sciences, Turrialba, Washington, D.C.
- Annual Report Iowa Agricultural Experiment Station, Ames
- Annual Report Irrigation Research Station, Griffith, New South Wales, Griffith
- Annual Report Jamaica Department of Agriculture, Kingston
- Annual Report John Innes Horticultural Institution, Merton, London
- Annual Report Kenya Department of Agriculture, Nairobi
- Annual Report Leeward Islands Department of Agriculture, Antigua
- Annual Report Long Ashton Agricultural and Horticultural Research Station, Bristol, England
- Annual Report Macaulay Institute for Soil Research, Craigiebuckler, Aberdeen, Scotland
- Annual Report Massachusetts Agricultural Research Station, Amherst
- Annual Report Minnesota Agricultural Experiment Station, St. Paul
- Annual Report Mississippi Agricultural Experiment Station, Agricultural College
- Annual Report National Institute of Agricultural Engineering, Askham Bryan, York
- Annual Report National Research Council of Canada, Ottawa
- Annual Report New York State Agricultural Experiment Station, Geneva
- Annual Report New Zealand Department of Agriculture, Wellington
- Annual Report Northern Rhodesia Department of Agriculture, Mazabuka
- Annual Report Nova Scotia Fruitgrowers Association, Kentville
- Annual Report Nyasaland Department of Agriculture, Zomba
- Annual Report Pomological and Fruit-growing Society, Quebec, Canada
- Annual Report Purdue Agricultural Experiment Station, Lafayette, Indiana
- Annual Report Queensland Acclimatisation Society, Brisbane
- Annual Report Queensland Department of Agriculture and Stock, Brisbane
- Annual Report Rubber Research Board of Ceylon, Colombo
- Annual Report Sierra Leone Department of Agriculture, Freetown
- Annual Report South Australia Minister of Agriculture, Adelaide
- Annual Report St. Lucia Department of Agriculture, St. Lucia
- Annual Report Sugar Cane Research Station, Mauritius, Port Louis
- Annual Report Tea Research Institute of Ceylon, St. Coombs, Talawakelle
- Annual Report Texas Agricultural Experiment Station, College Station
- Annual Report Trelawney Tobacco Research Station, S. Rhodesia, Salisbury
- Annual Report Uganda Department of Agriculture, Entebbe
- Annual Report Union of South Africa Department of Agriculture, Pretoria
- Annual Report West of Scotland Agricultural College, Glasgow
- Annual Report Wisconsin Agricultural Experiment Station, Madison, Wisconsin
- Annual Review of Biochemistry, Stanford Univ. P.O., California
- Applied Chemistry Reports, London
- Australian Journal of Experimental Biology and Medical Science, Adelaide
- Australian Journal of Science, Sydney

LIST OF PUBLICATIONS

- Beretning fra Statens Redskabsudvalg, Copenhagen
- Bericht der eidgenössischen Landwirtschaftlichen Versuchsanstalt Zürich-Oerlikon, Switzerland (contained in Landwirtschaftliches Jahrbuch der Schweiz)
- Bericht der Schweizerischen Botanischen Gesellschaft, Bern
- Bericht der Vereinigung Schweiz. Versuchs- und Vermittlungsstellen für Saatkartoffeln, Zürich
- Better Crops with Plant Food, Washington, D.C.
- Better Fruit, Portland, Oregon
- Bibliography of Agriculture, Washington, D.C.
- Biblioteka Puławska, Puławy, Poland
- Biennial Report Hawaii Agricultural Experiment Station, Honolulu
- Biochemical Journal, London
- Biohimija (Biochemistry), Moscow and Leningrad [Russian]
- Biological Reviews, Cambridge, England
- Biometrika, London
- Boletim da Junta Nacional das Frutas, Lisbon
- Boletim da S.A.I.C. Pernambuco, Brazil
- Boletim Tecnico Instituto de Cacao da Bahia, Bahia
- Boletín Frutas y Hortalizas, Buenos Aires
- Boletín Instituto de Agricultura Tropical Universidad de Puerto Rico, Mayaguez
- Boletín Universidad de Buenos Aires Facultad de Agronomía y Veterinaria, Buenos Aires
- Bollettino della Regia Stazione di Patologia Vegetale, Rome
- Botanical Gazette, Chicago, Ill.
- Botanical Review, Lancaster, Pa
- Bragantia, São Paulo, Brazil
- British Journal of Experimental Pathology, London
- Bulletin Agricole du Congo Belge, Brussels
- Bulletin Agronomique Ministère de la France d'Outre Mer, Nogent S/M, Seine, France
- Bulletin California Agricultural Experiment Station, Berkeley
- Bulletin Connecticut Agricultural Experiment Station, New Haven
- Bulletin Cornell Agricultural Experiment Station, Ithaca, N.Y.
- Bulletin Council of Scientific and Industrial Research, Australia, Melbourne
- Bulletin Delaware State Board of Agriculture, Dover
- Bulletin Department of Agriculture of the Union of South Africa, Pretoria
- Bulletin Drenova State Fruit Research Station, Drenova, Bulgaria [Bulgarian]
- Bulletin of Entomological Research, London
- Bulletin Fiji Department of Agriculture, Suva
- Bulletin Florida Agricultural Experiment Station, Gainesville
- Bulletin of the Forestry Commission, London
- Bulletin Georgia Experiment Station, Experiment
- Bulletin Hawaii Agricultural Experiment Station, Honolulu
- Bulletin Hungarian College for Horticulture and Viniculture, Budapest [Hungarian]
- Bulletin Illinois Agricultural Experiment Station, Urbana
- Bulletin Imperial Institute, London
- Bulletin Indiana Agricultural Experiment Station, Lafayette
- Bulletin de l'Institut Agronomique et des Stations de Recherches de Gembloux, Gembloux, Belgium
- Bulletin de l'Institut Colonial de Marseille, Marseille
- Bulletin Jealotts' Hill Research Station, Bracknell, Berks., England
- Bulletin Kansas Agricultural Experiment Station, Manhattan
- Bulletin Kentucky Agricultural Experiment Station, Lexington
- Bulletin Louisiana Agricultural Experiment Station, University Station, Baton Rouge
- Bulletin Maine Agricultural Experiment Station, Orono
- Bulletin Massachusetts Agricultural Experiment Station, Amherst
- Bulletin Michigan Agricultural Experiment Station, East Lansing
- Bulletin Ministry of Agriculture and Fisheries, London
- Bulletin of Miscellaneous Information, see Kew Bulletin
- Bulletin Mississippi Agricultural Experiment Station, State College
- Bulletin Missouri Agricultural Experiment Station, College Station, Columbia
- Bulletin Montana Agricultural Experiment Station, Bozeman
- Bulletin New Jersey Agricultural Experiment Station, New Brunswick
- Bulletin New York State Agricultural Experiment Station, Geneva
- Bulletin North Carolina Agricultural Experiment Station, Raleigh
- Bulletin Oklahoma Agricultural Experiment Station, Stillwater
- Bulletin Ontario Department of Agriculture, Vineland
- Bulletin Oregon Agricultural Experiment Station, Corvallis
- Bulletin Rehovot Agricultural Research Station, Rehovot, Palestine
- Bulletin Technical and Scientific Service Ministry of Agriculture, Egypt, Cairo
- Bulletin Texas Agricultural Experiment Station, College Station
- Bulletin Torrey Botanical Club, New York
- Bulletin Utah Agricultural Experiment Station, Logan
- Bulletin Virginia Agricultural Experiment Station, Blacksburg
- Bulletin Washington Agricultural Experiment Stations, Pullman and Puyallup
- Bulletin West Virginia Agricultural Experiment Station, Morgantown
- Bulletin Wyoming Agricultural Experiment Station, Laramie
- Caldasia, Bogotá, Colombia
- California Citrograph, Los Angeles
- Canadian Food Industries, Gardenvale, Quebec
- Canadian Food Packer, Gardenvale, Quebec
- Canadian Journal of Research, Ottawa
- Ceres, Uicosa, Brazil
- Ceylon Economic Journal, Colombo
- Chemické Listy pro Vědu a Prámysl, Prague
- Chemistry and Industry, London
- Chimie et Industrie, Paris
- Chinese Journal of Nutrition, Anshu, Kweichow, China
- Chronica Botanica, Waltham, Mass.
- Circular Bulletin Michigan Agricultural Experiment Station, East Lansing
- Circular California Agricultural Extension Service, Berkeley
- Circular Department of Agriculture of British Columbia, Victoria
- Circular Estación Experimental Agrícola de Tucuman, Tucuman, Argentina
- Circular Estación Experimental Agronomica, Santiago de las Vegas, Havana, Cuba
- Circular Federal Experiment Station Mayaguez, Puerto Rico
- Circular Hawaii Agricultural Experiment Station, Honolulu
- Circular Illinois Agricultural Experiment Station, Urbana
- Circular Ministerio de Agricultura Dirección de Estaciones Experimentales, Santiago de las Vegas, Havana, Cuba
- Circular Mississippi Agricultural Experiment Station, State College
- Circular Missouri Agricultural Experiment Station, College Station, Columbia
- Circular Missouri Agricultural Extension Service, Columbia
- Circular New Jersey Agricultural Experiment Station, New Brunswick
- Circular Pennsylvania School of Agriculture, State College
- Circular Purdue University Agricultural Experiment Station, Lafayette, Indiana
- Circular Rubber Research Institute of Malaya, Kuala Lumpur
- Circular Texas Agricultural Experiment Station, College Station
- Circular United States Department of Agriculture, Washington, D.C.
- Citrus Grower, Uitenhage, C.P., Union of South Africa
- Collective Farming, see Kolhoznoe
- Combined Proceedings National Shade Tree Conference, Western Shade Tree Conference and Southern Shade Tree Conference, Ohio, U.S.A.
- Comptes rendus hebdomadaires des séances de l'Académie d'Agriculture de France, Paris
- Comptes rendus des séances de l'Académie des Sciences, Paris
- Comptes rendus (Doklady) de l'Académie des Sciences de l'URSS, Moscow
- Contributions Boyce Thompson Institute, Yonkers, N.Y.
- Country Life, London
- Countryman, Idbury
- Courrier Horticole, Brussels
- Cours-Conferences du Centre de Perfectionnement technique, Paris
- Crown Colonist, London
- Cultivator, Wageningen [Dutch]

LIST OF PUBLICATIONS

tuur en Handel, Brussels
rent Science, Bangalore, Mysore

nsk Skovforeningens Tidsskrift, Copen-
hagen

T News, Manchester
cuments et Renseignements Agricoles
de l'Algérie, Bulletin, Algiers

st African Agricultural Journal, Nairobi,
Kenya

onomic Botany, New York
pire Journal of Experimental Agricul-
ture, Oxford, England
deavour, London

ension Bulletin Maine Agricultural
Experiment Station, Orono
ension Circular Jamaica Department of
Agriculture, Kingston

rn and Forest, Ibadan, Nigeria
rners' Bulletin U.S. Department of
Agriculture, Washington, D.C.

rners' Leaflet Edinburgh and East of
Scotland College of Agriculture
(Economic Department), Edinburgh
rming in South Africa, Pretoria

nal Report British Intelligence Objec-
tives Sub-Committee, H.M.S.O., Lon-
don

rgblad från Statens Växtskyddsanstalt,
Stockholm

od, London
od Preservation Quarterly, C.S.I.R.,
East Melbourne

t Forstlige Forsøgsvaesen i Danmark,
Copenhagen

uit Belge, Liège
uit-grower, Market Gardener and Glass-
house Nurseryman, London

uit Products Journal, New York
uit World of Australasia, Melbourne
uits d'outre mer, Paris

uits et Primeurs, Casablanca, Morocco

ardeners' Chronicle, London
rtenbauwissenschaft, Berlin

netics, Princeton, N.J. and Baltimore
nie civil, Paris

e Grower, London
undlagen und Fortschritte im Garten-
und Weinbau, Stuttgart, Germany

e Grüne, Zürich, Switzerland

lgardia, Berkeley, California
horticulture (N.Z.), Wellington, *previously*

Journal Royal New Zealand Institute
of Horticulture

Hospital, São Paulo, Brazil

inois Horticulture, Quincy, Ill.
dian Farming, New Delhi

dian Journal of Agricultural Science,
New Delhi

ustrial and Engineering Chemistry
(Analytical Edition), Easton, Pa

ustrial and Engineering Chemistry
(Industrial Edition), Easton, Pa

formation Sheet Mississippi Agricul-
tural Experiment Station, State Col-
lege

forme anual del comisionado de Agri-
cultura y Comercio, San Juan, Puerto
Rico

Inhisarlar tütün Institutüsü Raporları,
Istanbul, Turkey
Italia Agricola, Piacenza

Jaarboek van den Algemeenen Bond van
Oud-leerl. voor Middelbaar Land-
bouwonderwijs, Wageningen

Jaarverslag Centrale Bemestingsproefveld
voor de fruitteelt "De Lange Osse-
kampen", Wageningen

Jaarverslag Proefuut te Aalsmeer
Jahresbericht der Eidg. Versuchsanstalt
für Wein, Obst- u. Gartenbau in
Wädenswil [contained in Landwirt-
schaftliches Jahrbuch der Schweiz]

Journal of the Agricultural Experiment
Stations of Bulgaria, Sofia [Bulgarian]

Journal of Agricultural Research, Wash-
ington, D.C.

Journal of Agricultural Science, London

Journal of Agriculture of Western Austra-
lia, Perth

Journal of the American Chemical
Society, Easton, Pa

Journal of the American Society of
Agronomy, Geneva, N.Y.

Journal of the Association of Official
Agricultural Chemists, Washington,
D.C.

Journal of the Australian Institute of
Agricultural Science, Sydney

Journal of Biological Chemistry, Baltimore,
Md

Journal Botanique de l'URSS, Lenin-
grad [Russian]

Journal of the Council of Scientific and
Industrial Research, Australia, Mel-
bourne

Journal of the Department of Agriculture,
Éire, Dublin

Journal of the Department of Agriculture
of South Australia, Adelaide

Journal of the Department of Agriculture,
Victoria, Australia

Journal of Ecology, London

Journal of Economic Entomology, Men-
ashi, Wisconsin

Journal of the Entomological Society,
Southern Africa, Pretoria

Journal of General Microbiology, London

Journal of Heredity, Washington, D.C.

Journal of the Indian Institute of Science,
Bangalore, Mysore

Journal of the Institute of Brewing,
London

Journal of Jamaica Agricultural Society,
Kingston

Journal of Pomology and Horticultural
Science, London

Journal of the Royal Agricultural Society,
London

Journal of the Royal Horticultural Society,
London

Journal of the Royal New Zealand
Institute of Horticulture, Wellington,
see also Horticulture

Journal of the Royal Sanitary Institute,
London

Journal of the Royal Swedish Academy of
Agriculture, Stockholm [=Kungliga
Lantbruksakademiens Tidskrift]

Journal of the Society of Chemical
Industry, London

Journal of South Africa Forestry Associa-
tion, Pietermaritzburg

Kew Bulletin, London

Kirton Agricultural Journal, Boston,
Lincs., England

Knihovna ústředního svazu vinařů, Brno,
Czechoslovakia

Kolhoznoe Proizvodstvo (Collective Farm-
ing), Moscow [Russian]

Kungliga Lantbruksakademiens Tid-
skrift, Stockholm [=Journal of the
Royal Swedish Academy of Agricul-
ture]

Kungl. Lantbrukshögskolans Annaler
Uppsala [=Annals of the Royal
Agricultural College of Sweden]

Landbouw, Buitenzorg, Java

Landbouwkundig Tijdschrift, The Hague

Landwirtschaftliches Jahrbuch der Schweiz,
Bern

Leaflet Coconut Research Scheme of
Ceylon, Lunuwila

Leistungssteigerung im Gartenbau, Wies-
baden, Germany

Lloydia, Menasha, Wisconsin

Malayan Agricultural Journal, Kuala
Lumpur

Market Growers' Journal, Louisville,
Kentucky, U.S.A.

Meddelande Jordbruksförsöksanstalten,
Stockholm

Meddelande från Statens Trädgårdsförsök,
Malmö, Sweden

Meddelande Växtskyddsanstalt, Stockholm

Mededeelingen Directeur van den Tuin-
bouw, The Hague

Mededeelingen en Overdrukken van het
Instituut voor Onderzoek op het
Gebied van Verwerking van Fruit en
Groenten te Wageningen, Wageningen,
Holland

Mededeelingen Instituut voor Toegepast
Biologisch Onderzoek in de Natuur,
Hoenderloo, Holland

Mededeelingen Instituut voor de
Veredeling van Tuinbouwgewassen,
Wageningen, Holland

Mededeelingen van het Laboratorium
voor Plantenphysiologisch Onderzoek
te Wageningen, Wageningen, Holland

Mededeelingen van de Landbouwhoog-
school te Wageningen, Wageningen,
Holland

Mededeelingen van de Nederlandsche
Algemeen Keuringsdienst, The Hague

Mededeelingen van den Plantenziekten-
kundigen Dienst te Wageningen,
Wageningen, Holland

Mededeelingen van den Tuinbouwvoor-
lichtingsdienst, The Hague

Memoir Cornell Agricultural Experiment
Station, Ithaca, N.Y.

Memoirs Molotov State Botanic Garden,
Nikitsk [Russian]

Memorandum Indian Tea Association,
Tocklai, Assam

Memoria dell' Accademia delle Scienze
dell' Istituto di Bologna, Bologna,
Italy

Merkblatt des Instituts für Obstbau,
University of Berlin

LIST OF PUBLICATIONS

Mimeographed Circular Western Washington Experiment Station, Puyallup
 Minnesota Horticulturist, Minneapolis
 Miscellaneous Collections of the Smithsonian Institute, Washington, D.C.
 Miscellaneous Publication of the United States Department of Agriculture, Washington, D.C.
 Mitteilungen der Schweizerischen Entomologischen Gesellschaft, Schaffhausen, Switzerland
 Monografías sobre temas biológicos, Buenos Aires
 Monographies publiées par les Stations et Laboratoires de Recherches Agronomiques, Paris
 Monthly Bulletin of Coffee Board Kenya, Nairobi
 Mycologia, Lancaster, Pa
 Mycological Paper Imperial Mycological Institute, Kew, England
 Mycopathologia, The Hague
 National Horticultural Magazine, Baltimore, Md
 Nature, London
 La Nature, Paris
 New Zealand Journal of Agriculture, Wellington
 New Zealand Journal of Science and Technology, Wellington
 News Letter Illinois State Horticultural Society, Quincy, Ill.
 The Northern Gardener, Stockport, Lancs., England
 Nurseryman and Seedsman, London
 Nyasaland Agricultural Quarterly Journal, Blantyre
 Oleagineux, Marseilles, France
 Overdukken van het Laboratorium voor Tuinbouwplantenteelt te Wageningen, Wageningen, Holland
 Palestine Journal of Botany, Jerusalem Series, Jerusalem
 Pamietnik Zakładu Badania Drzew i Lasu, Kornik, Poland
 Paper United Planters Association of Southern India, Coonoor, Nilgiris
 Parasitica, Gembloux, Belgium
 Phytopathology, Ithaca, N.Y.
 Phytopatologische Zeitschrift, Berlin
 Plant Physiology, Lancaster, Pa
 Planters' Chronicle, Nilgiris, India
 Planters' Manual Rubber Research Institute of Malaya, Kuala Lumpur
 Plants and Gardens, Brooklyn, N.Y.
 Preliminary Report The Royal Society Empire Conference, London
 Press Bulletin Florida Agricultural Experiment Station, Gainesville
 Priroda (Nature), Leningrad [Russian]
 Proceedings of the Agricultural Society of Trinidad and Tobago, Port of Spain
 Proceedings of the American Society for Horticultural Science, Geneva, N.Y.
 Proceedings of the Florida State Horticultural Society, De Land
 Proceedings of the Lenin Academy of Agricultural Sciences, Moscow [Russian]
 Proceedings of the Linnaean Society of New South Wales, Sydney

Proceedings of the New York State Horticultural Society, New York
 Proceedings of the Pennsylvania State Horticultural Association, State College
 Proceedings of the Royal Entomological Society, London
 Proceedings of the Royal Irish Academy Section B, Dublin
 Proceedings of the Royal Society, London
 Proceedings of the Society of Agricultural Bacteriologists, Leeds, England
 Proceedings of the Southern Shade Tree Conference, Asheville, N.C.
 Proceedings Vermont State Horticultural Society, Rutland
 Proceedings of the Washington State Horticultural Association, Washington State
 Processed Publication Department of Agriculture Canada, Division of Entomology, Ottawa
 Progrès agricole et viticole, Montpellier, France
 Progress Report Institute of Plant Industry, Indore, India
 Przeglad Ogrodniczy, Kraków, Poland
 Publications (mainly out of series) of All Union Institute of New Fibre Crops, Lenin Academy of Agricultural Sciences, Moscow
 Association of Scientific Libraries and Information Bureaux, London
 Centre de Recherches de Gorsem, Gorsem, Belgium
 Convegno di Studi Olivicoli, Florence, Italy
 Coconut Conference, Colombo
 Conference on hop growing, Wye, England
 (Tercera) Conferencia Interamericana de Agricultura, Caracas
 Cornwall County Council, Truro
 Crimean Research Institute for Plant Protection [Russian]
 C.S.I.R. Australia, Melbourne
 Department of Agriculture New Zealand, Wellington
 Department of National Health and Welfare, Ottawa
 Dominion of Canada Department of Agriculture, Ottawa
 Geigy Co. Ltd., Manchester, England
 Georgia Experiment Station, Experiment
 Horticultural Education Association, Canterbury, England
 L'Institut des Fruits et Agrumes Coloniaux, Paris
 L'Institut National pour l'Étude Agronomique du Congo Belge, Yangambi
 Institute for Research in Agricultural Economics, Oxford, England
 Instituto de Frutivicultura y Silvicultura, Buenos Aires
 Instituto de Sanidad Vegetal, Buenos Aires
 Instituut voor de Veredeling van Tuinbouwgewassen, Wageningen, Holland
 Laboratorium voor Bloembollenonderzoek te Lisse, Holland
 Lenin Academy of Agricultural Sciences, Institute of Plant Industry [Russian]

Mauritius Colony, Development and Welfare, Port Louis
 Ministère des Colonies, Direction de l'Agriculture, Bruxelles
 Ministerio de Ganadería y Agricultura, Dirección de Agronomía, Montevideo
 Ministry of Agriculture, London
 Nederlandsche Algemeene Keuringsdienst, The Hague
 Osservatorio di Fitopatologia, Cagliari, Sardinia
 Seljhozgis, Moscow [Russian]
 Sočinski Research Station for Sub-Tropical and Southern Fruitgrowing, Krasnodar [Russian]
 Station Fédérale d'Essais Viticoles et Arboricoles, Lausanne, Switzerland
 Tintometer Ltd., The Colour Laboratory, Salisbury, England.
 Universidad de Buenos Aires Facultad de Agronomía y Veterinaria, Buenos Aires
 Punjab Fruit Journal, Lyallpur
 Pure Culture Studies of Bacteria, Geneva, N.Y.
 Quarterly Bulletin Michigan Agricultural Experiment Station, East Lansing
 Quarterly Circular Ceylon Rubber Research Scheme, Agalawatta
 Quarterly Journal of the Royal Meteorological Society, London
 Queensland Agricultural Journal, Brisbane
 Queensland Journal of Agricultural Science, Brisbane
 Rádce Zemědělců, Prague
 Rapports Annuels de la Station Fédérale d'Essais Viticoles et Arboricoles à Lausanne et Domaine de Pully [contained in Landwirtschaftliches Jahrbuch der Schweiz]
 Relazioni e Monografie Agrario Coloniali, Florence, Italy
 Report of the Council for Scientific and Industrial Research, Division of Aeronautics, Melbourne
 Report East African Agricultural Research Institute, Amani
 Report Experiments at Dominion Experimental Sub-Station, Delhi, Ontario
 Report Imperial Agricultural Bureau Conference, London
 Report Imperial College of Tropical Agriculture, Trinidad
 Report Moscow State Plant Breeding Station [Russian]
 Report Rothamsted Experimental Station Harpenden, England
 Reports 4th Travelling Plenary Session of Section of Sub-Tropical Crops held at Batoum, Lenin Academy of Agricultural Sciences, Moscow [Russian]
 Report on the Trial of New Varieties of Hops, East Malling, Kent, England
 Reports on Work of Agricultural Station Department of Agriculture, Madras, India
 Research Bulletin Iowa Agricultural Experiment Station, Ames
 Revista Agricola Guatemala, Guatemala

LIST OF PUBLICATIONS

- revista de Agricultura, Industria y Comercio de Puerto Rico, S. Juan
 revista de Agricultura São Paulo, Piracicaba, Brazil
 revista Argentina de Agronomia, Buenos Aires
 revista Industria y Agricola de Tucuman, Argentina
 revista del Instituto de Defensa del Cafe de Costa Rica, San José
 revista de Investigaciones Agrícolas, Buenos Aires
 revista Mensual Ferrocarril de Buenos Aires al Pacifico, Buenos Aires
 revue Agricole de l'Ile Maurice, Port Louis
 revue Française d'Entomologie, Paris
 revue horticole suisse, Châtelaine, Geneva
 revue d'Horticulture et d'Agriculture de l'Afrique du Nord, Alger
 revue d'Oka, La Trappe, Quebec
 revue Romande d'Agriculture, de Viticulture et d'Arboriculture, Lausanne, Switzerland
 revue de Viticulture, Paris
 Rheinische Monatschrift für Obst- Garten- und Gemüsebau, Bonn, Germany
 Rhodesia Agricultural Journal, Salisbury
 rivista di Frutticoltura, Ravenna, Italy
- B. Purdue Agricultural Experiment Station, Lafayette, Indiana
 orník Československé Akademie Zemědělské, Prague
 Schweizerische Zeitschrift für Obst- u. Weinbau, Wädenswil
 Schweizerischen Landwirtschaftlichen Monatshefte, Bern-Bümpliz
 Science, Lancaster, Pa
 Scientific Agriculture, Ottawa
 Scientific Bulletin Department of Agriculture, Union of South Africa, Pretoria
 Scientific Memoirs Lenin, see Učenyje
 Scientific Monthly, New York
 Scottish Agriculture, Edinburgh
 Lekcija i Semenovodstvo (Selection and seed production) [Russian], Moscow(?)
 Service Sheet Mississippi Agricultural Experiment Station, State College
- Soap and Sanitary Chemicals, New York
 Socialističeskoe Sel'skoe Hozjaistvo (Socialist Agriculture), Moscow [Russian]
 Soil Science, Baltimore, Md
 South African Journal of Science, Cape-town
 Sovetskaja Botanika (Soviet Botany), Moscow [Russian]
 Soviet News Press Service Department, London
 Soviet Plant Industry Record, see Vestnik
 Station Bulletin Oregon Agricultural Experiment Station, Corvallis
 Sveriges Pomologiska Förenings, Stockholm
 Symposium over Samenstelling en Voedingswaarde van Aardappelen en Aardappelproducten, Utrecht
 Symposium on Scientific Work carried out at Leningrad. Komarov Botanical Institute, Academy of Science, Leningrad [Russian]
- Tasmanian Journal of Agriculture, Hobart
 Tea Quarterly, Talawakelle, Ceylon
 Technical Bulletin Hawaii Agricultural Experiment Station, Honolulu
 Technical Bulletin Michigan Agricultural Experiment Station, East Lansing
 Technical Bulletin Minnesota Agricultural Experiment Station, St. Paul
 Technical Bulletin New York Agricultural Experiment Station, Geneva
 Technical Bulletin Oklahoma Agricultural Experiment Station, Stillwater
 Technical Bulletin United States Department of Agriculture, Washington, D.C.
 Technical Bulletin Virginia Agricultural Experiment Station, Blacksburg
 Technical Report British Electrical and Allied Industries Research Association, London
 Tekel Tütün İnstitutü Rapolari, Istanbul, Turkey
 Tijdschrift over Plantenziekten, Wageningen, Holland
 The Times of Ceylon, Colombo
 Transactions British Mycological Society, London
- Transactions Illinois State Horticultural Society, Normal
 Transactions Institution of the Rubber Industry, London
 Transactions of the Peninsula Horticultural Society, see Bulletin Delaware
 Tropical Agriculture, Trinidad
 Tropical Agriculturist, Peradeniya, Ceylon
 Tuinbouw, The Hague
- Učenyje Zapiski Počvovedenie (Soil Science Memoirs Lenin State University of Lomonocov) [Russian]
 Uspehi Sovremennoi Biologii (Advances in Modern Biology), Moscow and Leningrad [Russian]
- Valtion Maatalouskoetöiminnan Julkaisija, Helsingfors
 Växtskyddsnotiser, Stockholm
 Verslagen van Landbouwkundige Onderzoekingen, The Hague
 Verslagen van Landbouwkundige Onderzoekingen Departement van Landbouwkundige en Visscherij, The Hague
 Verslagen en Mededeelingen van den Plantenziektenkundigen Dienst Wageningen, Holland
 Vestnik Československé Akademie Zemědělské, Prague
 Vestnik Socialističeskovo Rastenievodstva (Soviet Plant Industry Record), Moscow and Leningrad [Russian]
 Voeding, Holland
- Weather, London
 Westminster Bank Review, London
 Wisconsin Horticulture, Madison
- Yearbook Agricultural Experiment Stations Bulgaria, Sofia [Bulgarian]
 Yearbook California Avocado Society, Los Angeles
 Yearbook of the Royal Veterinary and Agricultural College, Copenhagen
- Zentralblatt für Bakteriologie, Parasitenkunde und Infektionskrankheiten
 2te Abt., Jena, Germany

